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时间地图

David Christian

MAPS OF TIME

An Introduction to Big History

大历史
130亿年前至今

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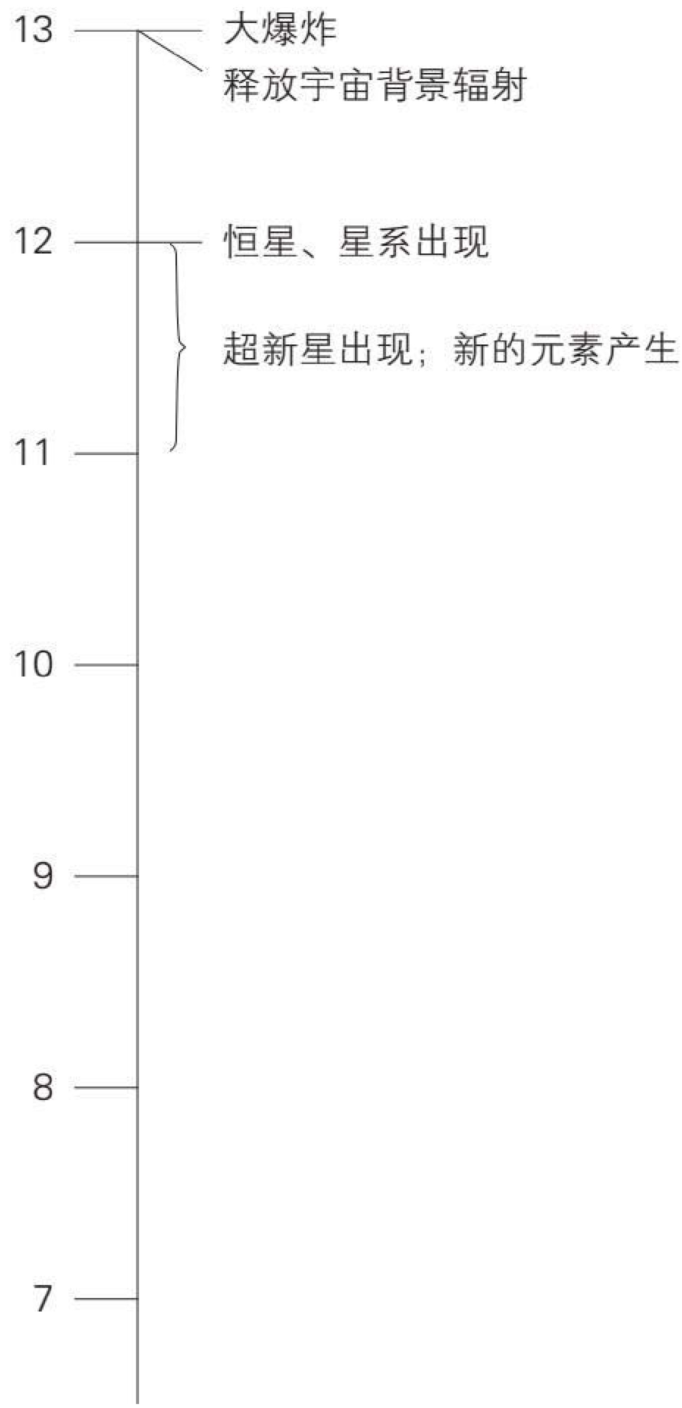
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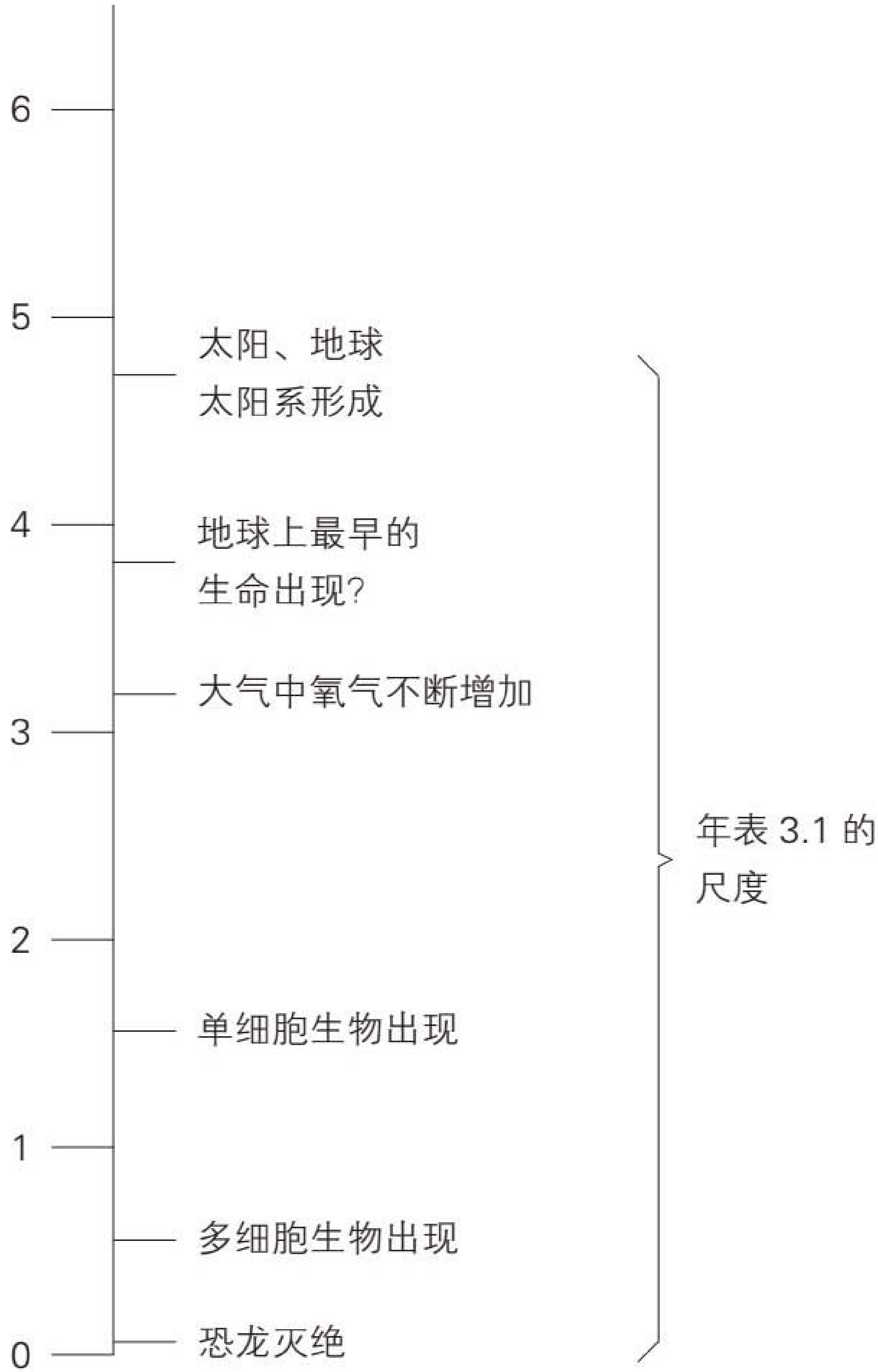
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释放宇宙背景辐射
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恒星、星系出现
超新星出现；新的元素产生
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太阳、地球
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地球上最早的
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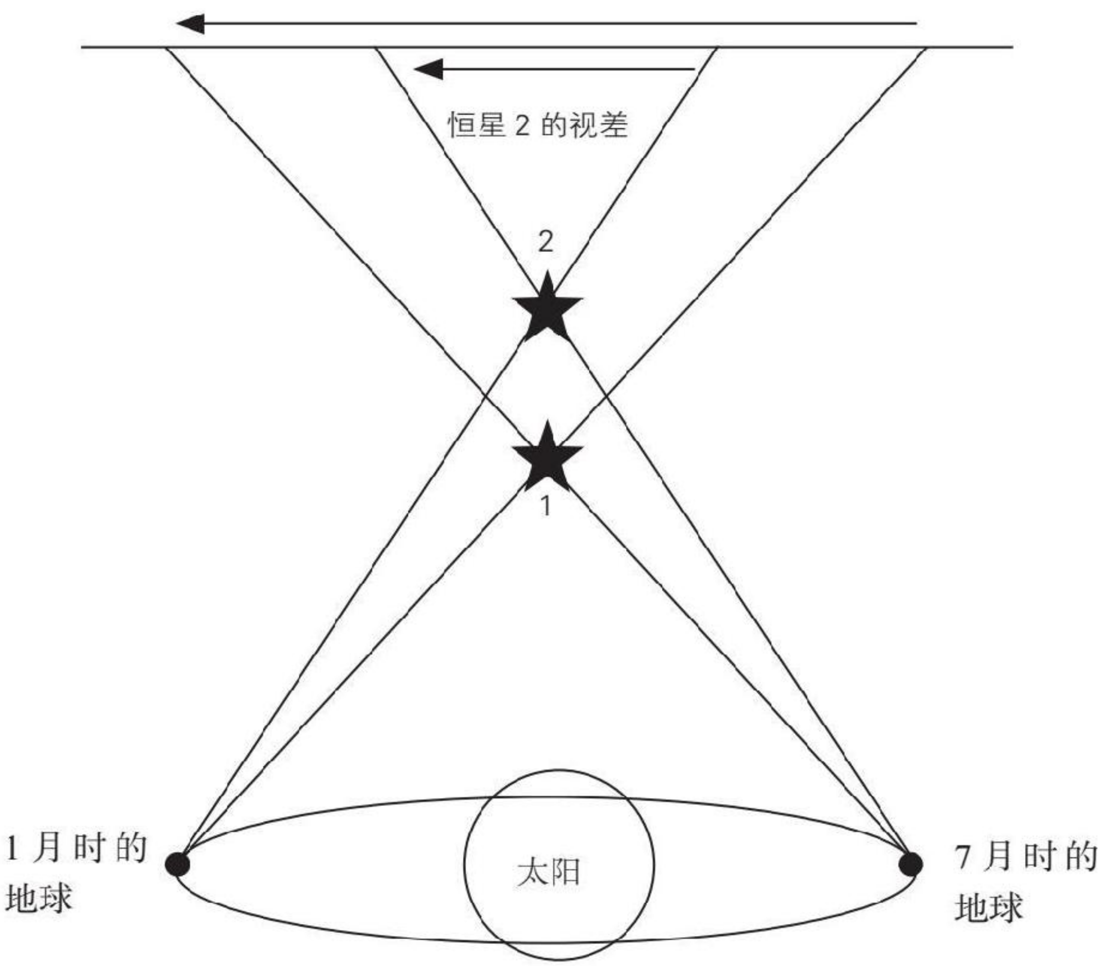
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距离大爆炸的时间	大事记
10^{-43} 秒	“普朗克时间”；宇宙小于物理意义上的最小的长度单位“普朗克长度”；在此之前所发生的事情我们无法说明，但是作为基本力之一的引力已经出现了。
10^{-35} 秒	“强”“电磁”力作为不同的基本力开始出现。
10^{-33}—10^{-32} 秒	“膨胀”：宇宙以超光速的速度扩张，温度下降至接近绝对零度。
大约 10^{-10}—10^{-6} 秒	当基本力彼此单独分离，宇宙温度再次升高；夸克和反夸克相互创造和消亡；继续存在的夸克局限于质子和中子（它们的总和只不过是原先夸克和反夸克总和的十亿分之一）。
1—10 秒	正负电子相互结对并且消亡（残留下来的也许只是原先正负电子总和的十亿分之一）。
3 分钟	质子和中子结合成氢和氦的原子核。
30 万年	带负电荷的原子被带正电荷的中子捕获；宇宙在电价上变为中性，而且放射线和物质彼此分离；在至今仍能察觉到的巨大“闪光”中，放射线以背景微波射线的形式被释放出来。

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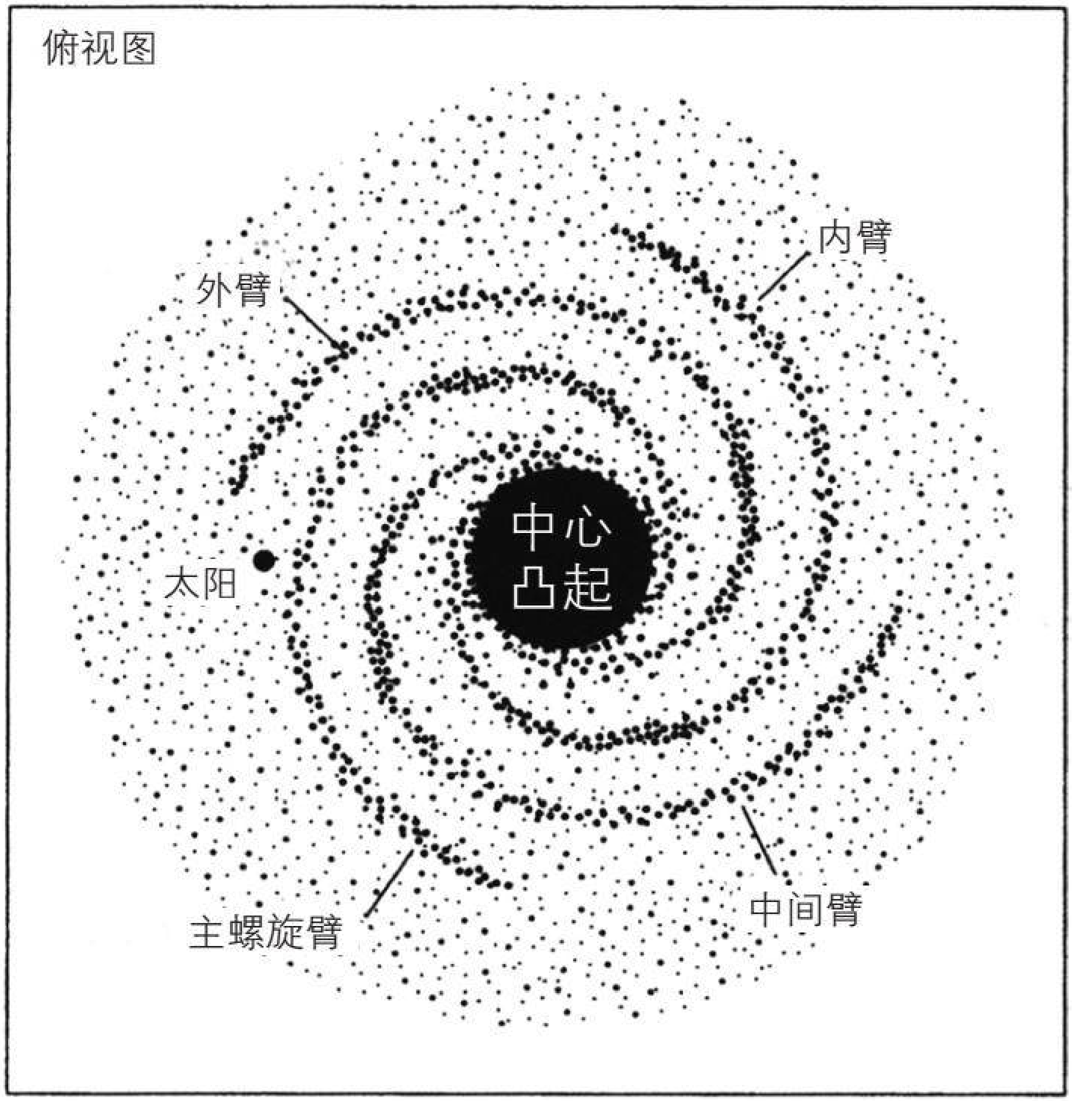
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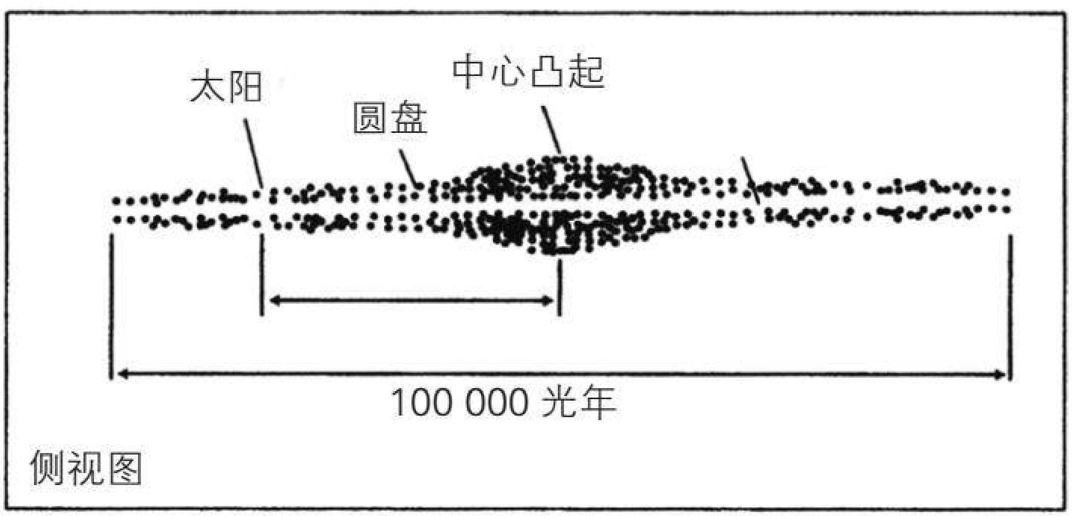
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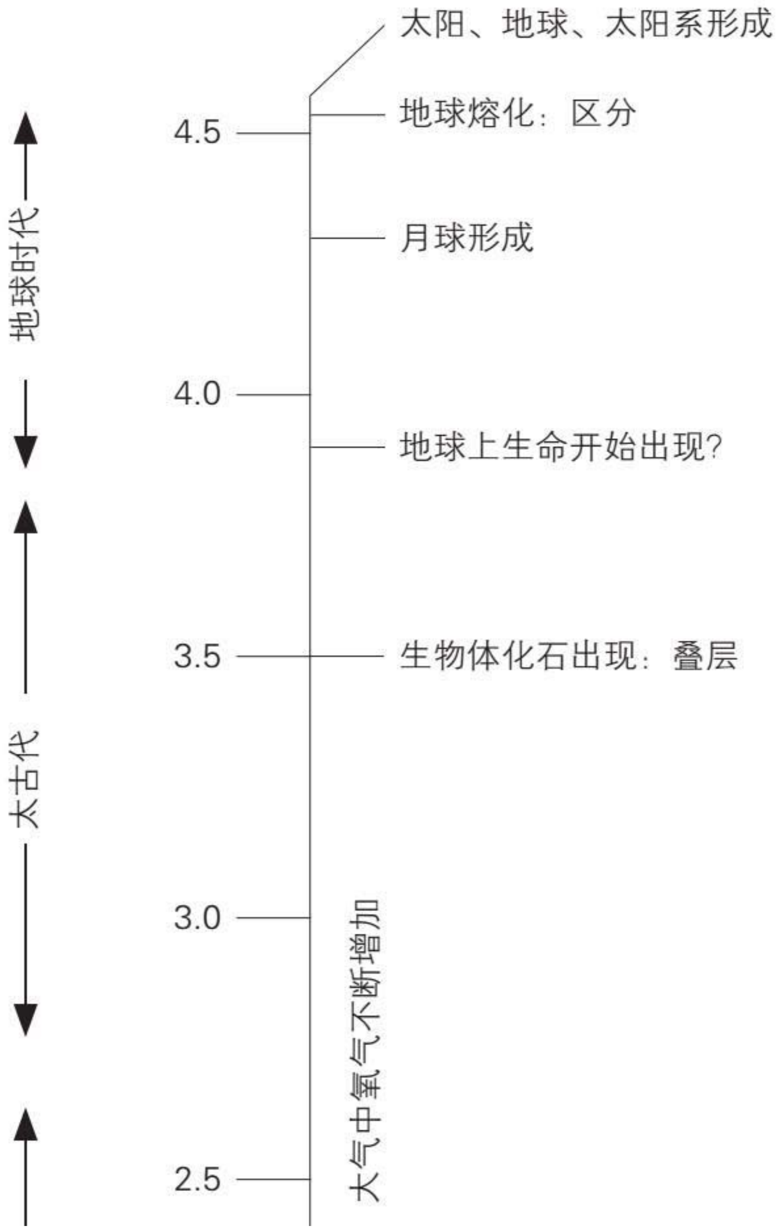
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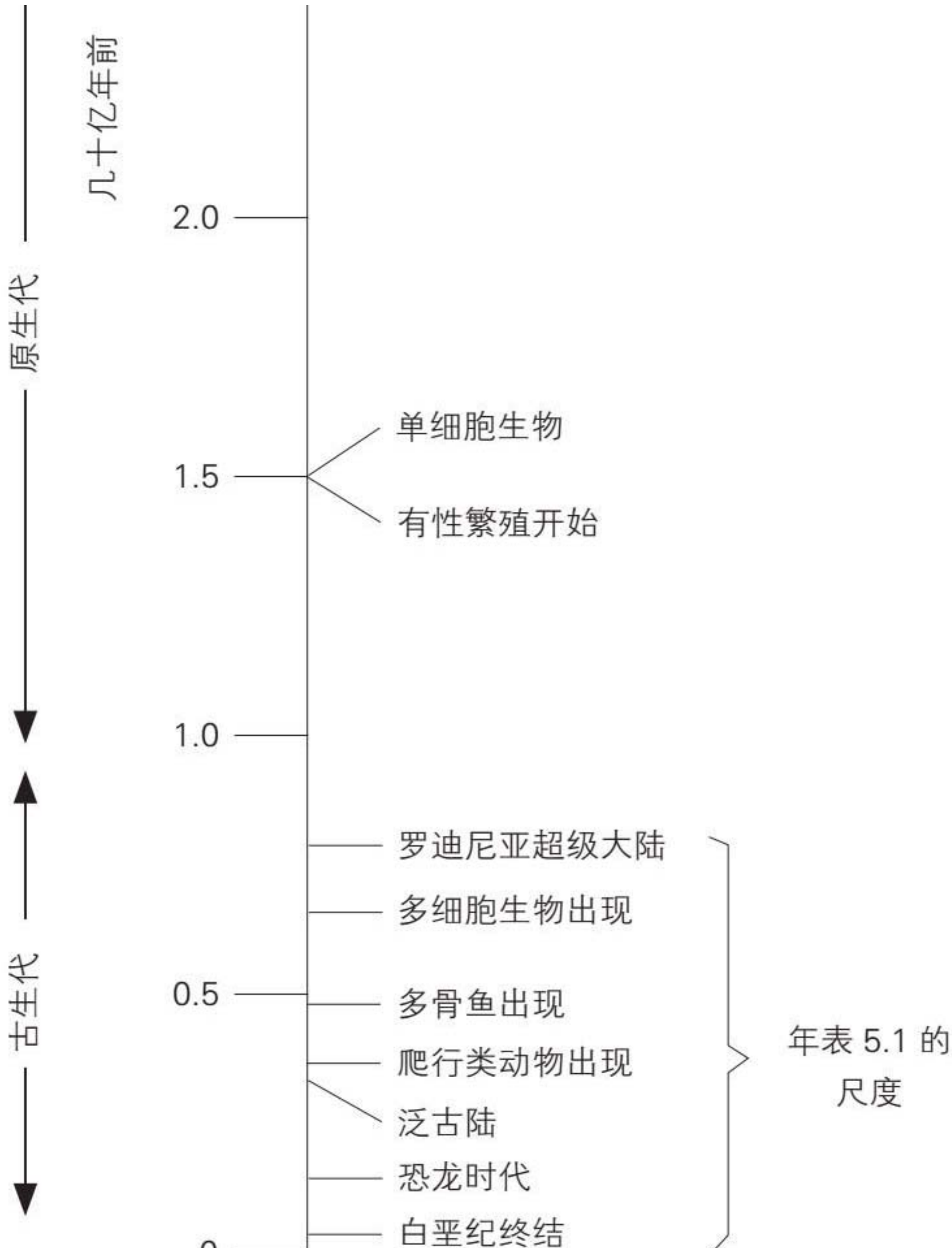
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太阳、地球、太阳系形成
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地球熔化：区分
月球形成
地球时代
4.0
地球上生命开始出现?
3.5
生物体化石出现：叠层
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3.0
大气中氧气不断增加
2.5



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[illegible]99.9%[illegible]0.1%[illegible]59[illegible]10[illegible]20[illegible]90[illegible]98%[illegible]

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[illegible]50%[illegible]19%[illegible]14%[illegible]12.5%[illegible]“[illegible]”[illegible]5000[illegible][1][illegible]

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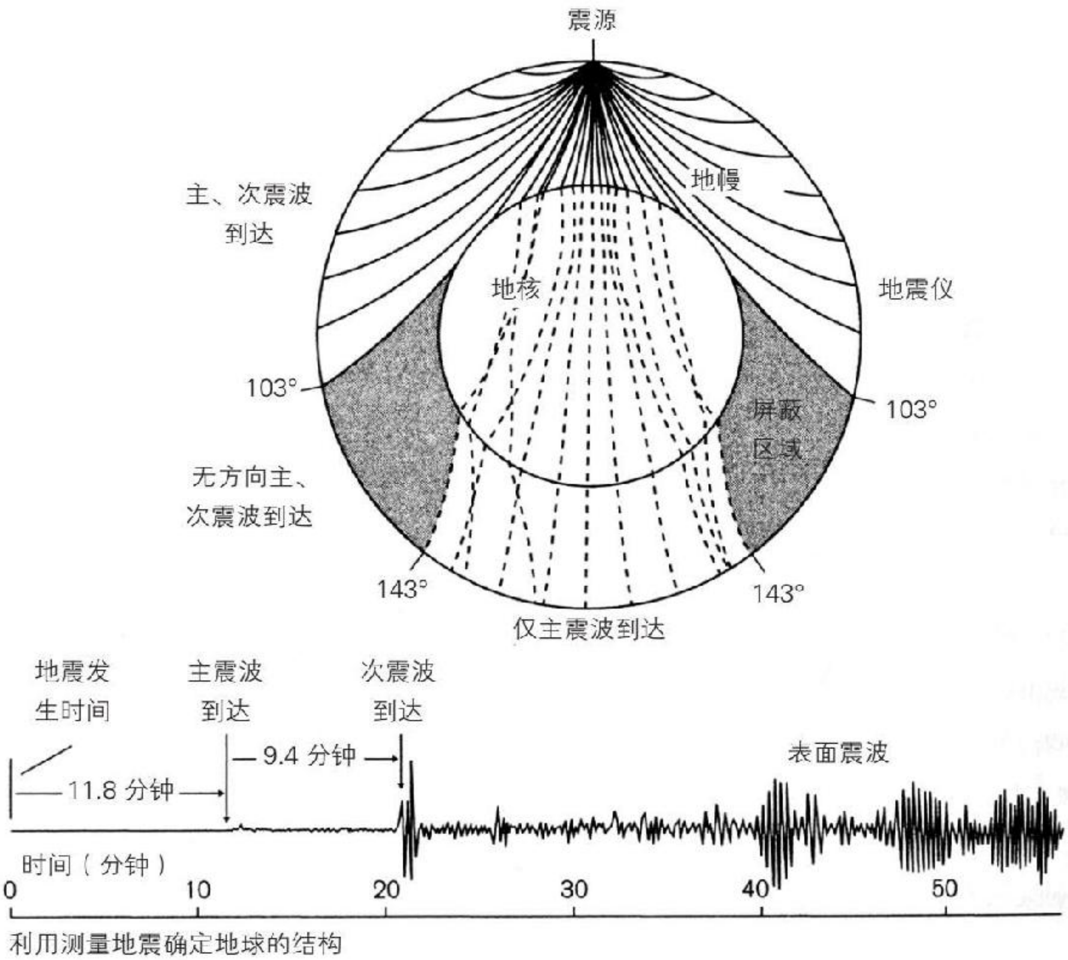
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[illegible]46[illegible]

[illegible]GPS[illegible]

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[illegible]45.6[illegible]6[illegible] [6] [illegible]

[illegible]38[illegible]

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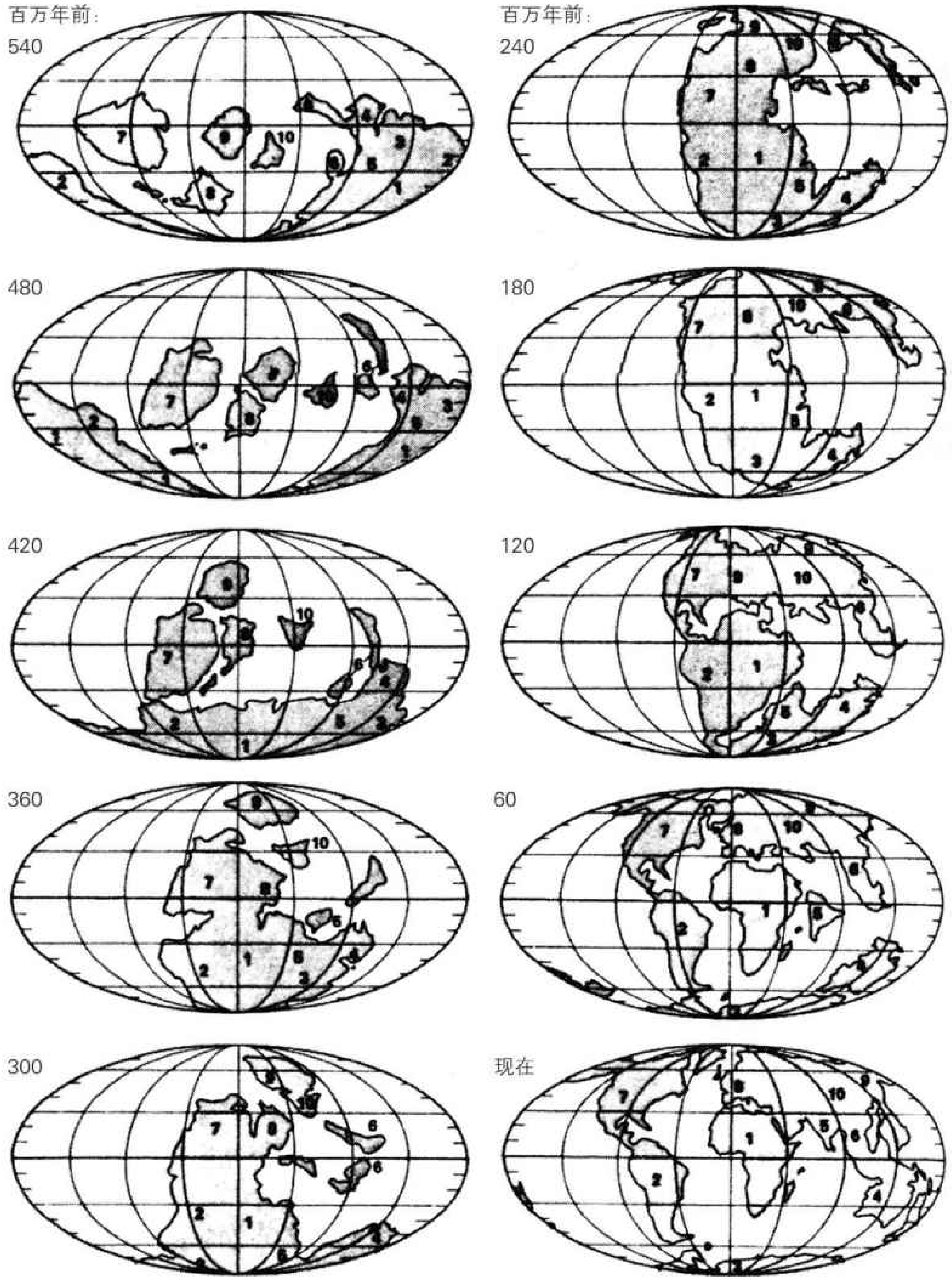
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[illegible]5[illegible]

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[illegible]·[illegible]Peter Cattermole[illegible]·[illegible]Patrick Moore[illegible]1986[illegible]J. D.[illegible]J. D. Macdougall[illegible]1996[illegible]·[illegible]Preston Cloud[illegible]1978[illegible]1988[illegible]·[illegible]1998[illegible]·[illegible]1995[illegible]2[illegible]·[illegible]Steven Stanley[illegible]1986[illegible]·[illegible]James Lovelock[illegible]Gaia hypothesis[illegible]·[illegible]Isaac Asimov[illegible]·[illegible]Ross Taylor[illegible]2000[illegible]

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[1] [illegible]·[illegible]Ross Taylor[illegible]·[illegible]2002[illegible]59—60[illegible]

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[7] [illegible]·[illegible]Ian W. D. Dalziel[illegible]1995[illegible]1[illegible]38—43[illegible]

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“[illegible]”1943[illegible]·[illegible]Erwin Schrödinger[illegible]——[illegible]“[illegible]”[1]

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星系（例如银河系）	1
恒星（例如太阳）	2
行星（例如地球）	75
植物（生物圈）	900
动物（例如人类的身体）	20 000
大脑（例如人类的头盖骨）	150 000
社会（例如现代人类文化）	500 000

[illegible]·[illegible]2001[illegible]139[illegible]

[illegible]6[illegible]

[illegible]——[illegible]3℃[illegible]

[illegible]electromagnetism[illegible]the nuclear forces[illegible]

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[illegible]——[illegible]·[illegible]Charles Darwin[illegible]

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[illegible]“[illegible]”[illegible]natural selection[illegible]“[illegible]”[illegible]evolution[illegible]·[illegible]1859[illegible][5][illegible]·[illegible]Herbert Spencer[illegible]“[illegible]”[illegible]life-form[illegible]“[illegible]”[illegible]

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· Fred Hoyle · Chandra Wickramasinghe Panspermia

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A. G. —— A. G. Cairns-Smith [17]

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[illegible]

[illegible]A[illegible]T[illegible]cytosine[illegible]C[illegible]guanine[illegible]G[illegible]A[illegible]T[illegible]C[illegible]G[illegible]

[illegible]“[illegible]”[illegible]——[illegible]

20[illegible]60[illegible]RNA[illegible]“[illegible]”[illegible]

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[1] [illegible]·[illegible]1992[illegible]1944[illegible]77[illegible]

[2] [illegible]·[illegible]Φm[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]——[illegible]——[illegible]（power-to-mass[illegible]”[illegible]2001[illegible]134[illegible]

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[4] [illegible]·[illegible]1999[illegible]12[illegible]

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[6] [illegible]·[illegible]1968[illegible]82[illegible]J. W. Burrow[illegible]

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[8] [illegible]·[illegible]“[illegible]”[illegible]·[illegible]1995[illegible]

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[10] [illegible]·[illegible]（Hubert Reeves）[illegible]·[illegible]·[illegible]（Joël de Rosnay）[illegible]·[illegible]·[illegible]（Dominique Simonnet）[illegible]1998[illegible]138[illegible]

[11] [illegible]·[illegible]1998[illegible]135[illegible]·[illegible]

□□□□□□□□1995□□□90□□

[12] □□□□□□□□·□□□□David Briscoe□1989□□□□□□□□□□□□□□·□□□□□□□·□□□
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[14] □□□□□□□□NH2□□□□□COOH□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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1999□□□□□□□□□□□□□□

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[17] A. G. □□□——□□□□□□□□□□□□□□□□□□□□□1985□□

[18] □□□□·□□□□□□□□□□□□□□□□□□□□□92□□□□□□□□□□

[19] □□□□□□□□□□□□□□□□□□□□□□□□□□□□□7□□

[20] □□·L.□·□□□Karen L. Von Damm□□□□□□□□□□□□□□□2001□7□12□□□127—
128□□

[21] □□□·□□□□□Birger Rasmussen□□□32.35□□□□□□□□□□□□□□□□□□□□□2000
□6□8□□□676—679□□□□□□□□□□□□□□“□□□□”□extremophile□□□□□□□□□□□□□□□□□32
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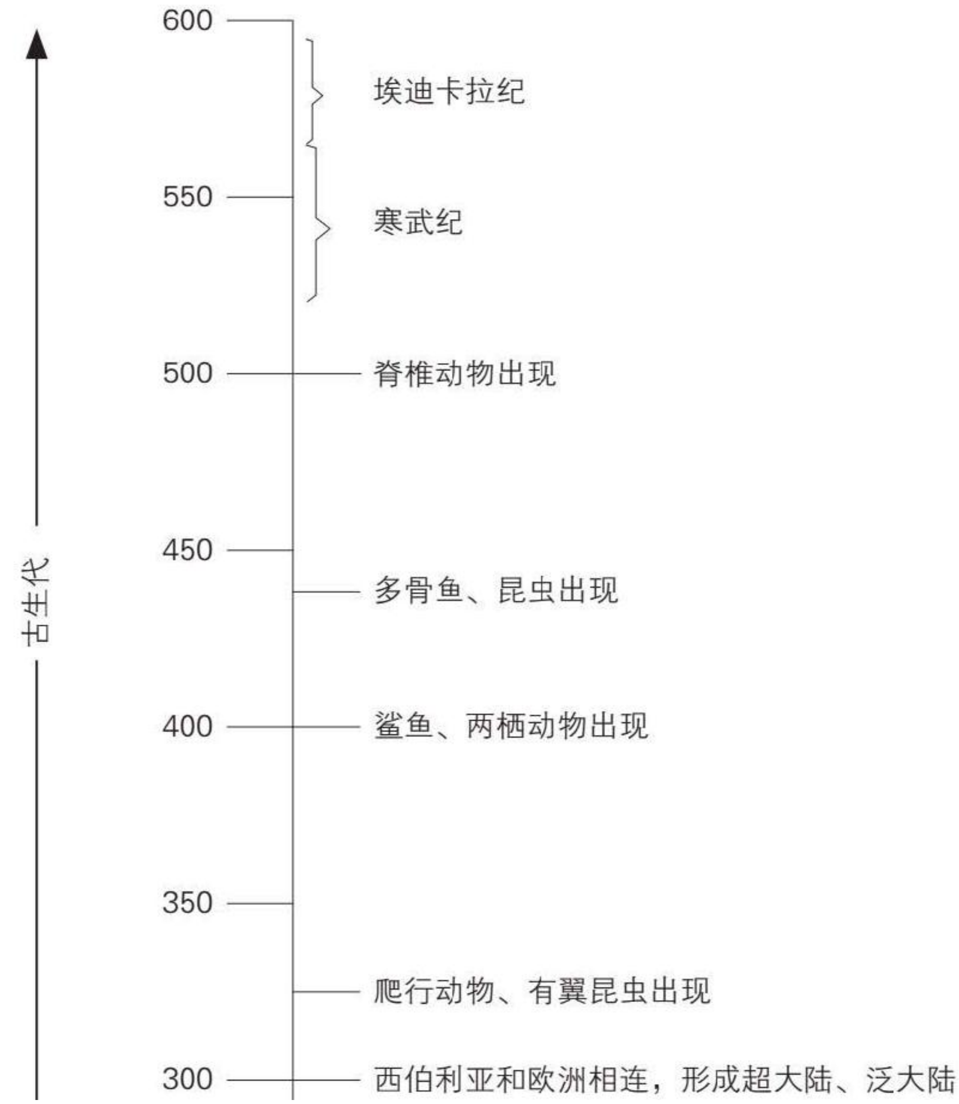
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151□□□□·□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□747□□

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1989□□□

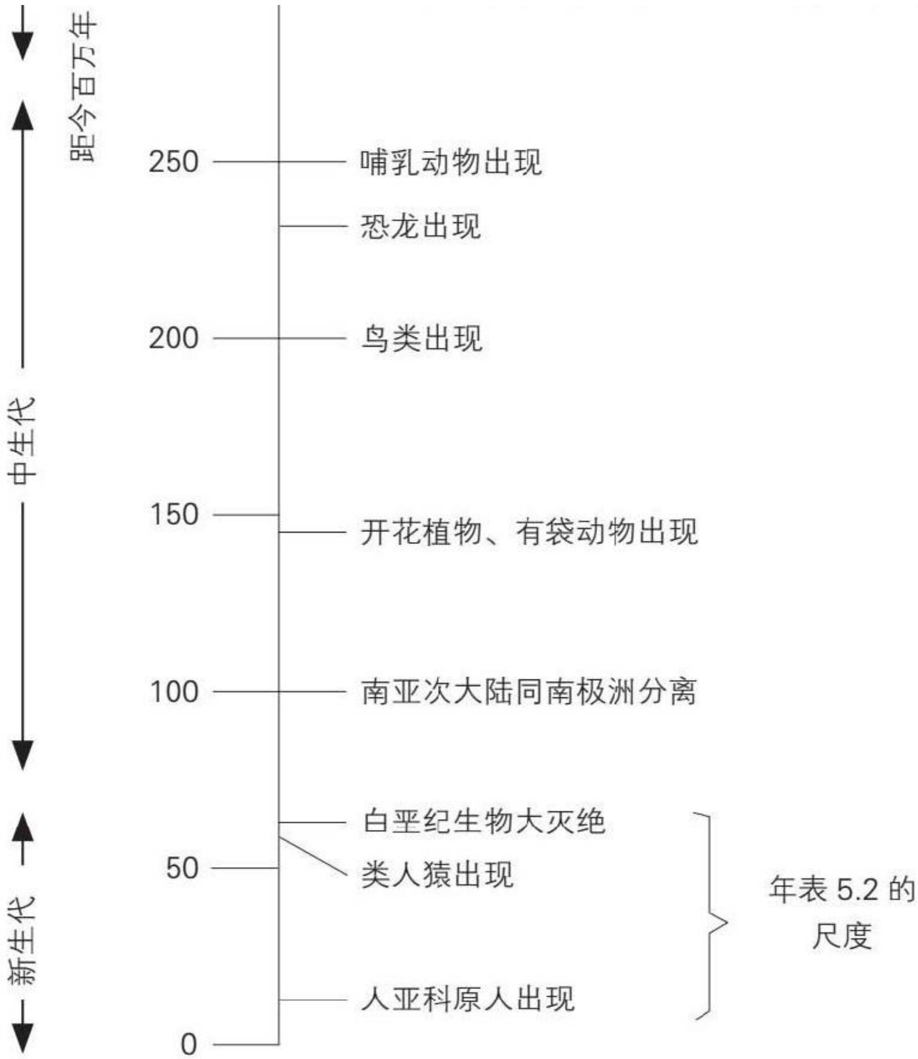
[25] □□□·□□□·□□□□□□·□□□□Eörs Szathmáry□□□□□□□□□□□□□□□□□□□□□□
□□□□□1999□□3□□4□□“□□□□□”□□□□□□

[26] □□□□□□□□□□□40□□

[27] □□□□□□□□□□□3□□



古生代
600
埃迪卡拉纪
550
寒武纪
500
脊椎动物出现
450
多骨鱼、昆虫出现
400
鲨鱼、两栖动物出现
350
爬行动物、有翼昆虫出现
300
西伯利亚和欧洲相连，形成超大陆、泛大陆



距今百万年
中生代
新生代
250
200
150
100
50
0
哺乳动物出现
恐龙出现
鸟类出现
开花植物、有袋动物出现
南亚次大陆同南极洲分离
白亚纪生物大灭绝
类人猿出现
人亚科原人出现
年表 5.2 的
尺度

[illegible]5.1 [illegible]6[illegible]

[illegible]5[illegible]
[illegible]

[illegible]

[illegible]

[illegible]40[illegible]·[illegible]·[illegible]Dorion Sagan[illegible]“[illegible]”[illegible][1] [illegible]·[illegible]·[illegible][2] [illegible]40[illegible]·[illegible]·[illegible]John Maynard Smith[illegible]·[illegible]“[illegible]……[illegible]”[3] “[illegible]”[illegible]——[illegible]

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[illegible]6[illegible]8[illegible]3[illegible]2/3[illegible]1.9[illegible]1.3[illegible]4000[illegible]

[illegible]

[illegible]7[illegible]1/5[illegible]——[illegible]——[illegible]“[illegible]”[illegible]35[illegible]

[illegible]40[illegible]40[illegible]25[illegible]——20[illegible] [5]

[illegible]38[illegible]C^{12} [illegible]35[illegible] [6] [illegible]·[illegible]“[illegible]”[illegible] [7]

[illegible]“[illegible]”[illegible]——[illegible]

[illegible]“[illegible]”[illegible]

[illegible] 35 [illegible]

[illegible] [8] [illegible] —— [illegible] 3 [illegible]

[illegible]

[illegible] 30 [illegible]

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[illegible]

[illegible] [9]

[illegible]——[illegible]——[illegible]“[illegible]”[illegible] [10] [illegible]“[illegible]” [11] [illegible]

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[illegible]25[illegible]20[illegible]3%[illegible]10[illegible]21%[illegible] [12] [illegible]

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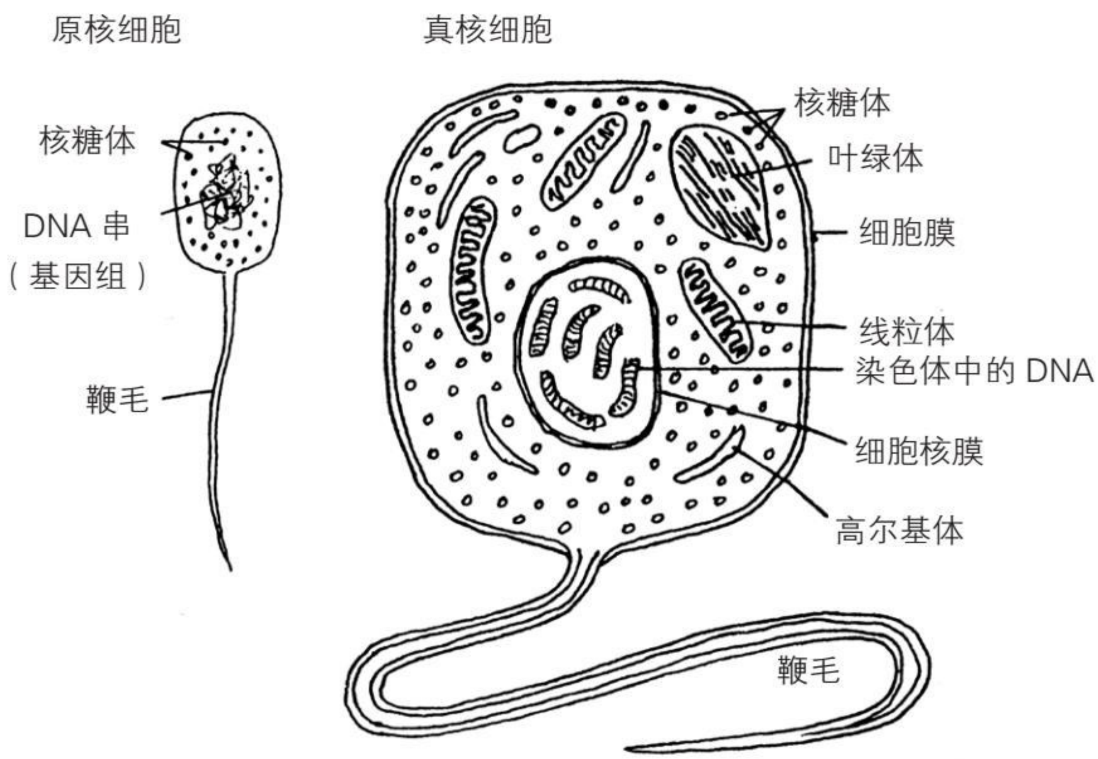
[illegible]·[illegible]James Lovelock[illegible]“[illegible]20[illegible]” [14]

[illegible]20[illegible]“[illegible]”[illegible]“[illegible]”[illegible] [15] [illegible]“[illegible]” [16]

[illegible]20[illegible]“[illegible]”[illegible]30[illegible]O3[illegible]17[illegible] [17] [illegible] [18] [illegible]0.001[illegible]——0.01[illegible]0.01[illegible]——0.1[illegible]1000[illegible]·[illegible]Chet Raymo[illegible]“[illegible]” [19] [illegible]5.1[illegible]

[illegible]——[illegible]——[illegible]——[illegible]

[illegible]·[illegible]——[illegible]——[illegible]parasitism[illegible]commensalism[illegible]mutualism[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]



[illegible]5.1 [illegible]

[illegible]·[illegible]1998[illegible]164[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[20][illegible]——[illegible]“[illegible]”[illegible]——[illegible]“[illegible]”[21][illegible]12[illegible]

[illegible]10[illegible][22]

[illegible]

[illegible]

[illegible]

[illegible]“[illegible]”——[illegible]6[illegible]

[illegible]20[illegible][23][illegible]10[illegible]

[illegible]

[illegible]1000[illegible]“[illegible]”[illegible]——[illegible][24]

[illegible]

[illegible]50%[illegible][25][illegible]

[illegible]“[illegible]”[illegible]

[illegible]

[illegible][26][illegible]——[illegible]——[illegible]

[illegible]5.9[illegible]5.7[illegible]

[illegible]1000[illegible]——[illegible]250[illegible]3[illegible]60[illegible]30[illegible]60[illegible][27][illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]6[illegible]

[illegible]——[illegible]“[illegible]”[illegible][28][illegible]

[illegible]Linnaeus[illegible]——[illegible]19[illegible]·[illegible]Ernst Haeckel[illegible]——[illegible]20[illegible]30[illegible]

[illegible]20[illegible]20[illegible]90[illegible]·[illegible]Carl Woese[illegible]

[illegible]5.1 [illegible]

总界	界	成员
原核生物总界（没有核子的单细胞生物体）	原核生物界	细菌，蓝藻，原始细菌（有时被列入一个独立的界）
真核生物总界（有核子和细胞器官）	原生生物界（多数为单细胞生物）	原生植物，原生动物粘（真）菌
	植物界（多细胞生物，包含叶绿素，能进行光合作用，通常不能移动）	藻类，苔藓类植物（苔、叶苔和金鱼藻），蕨类植物，裸蕨植物，石松类，柏类，松类，银杏类，苏铁类，开花植物
	真菌界（多细胞生物，不含叶绿素，通过分解有机的残留物获得能量，通常不能移动）	酵母，毒蕈和蘑菇
	动物界（多细胞生物，不含叶绿素，从其他生物体处获得能量，通常可移动）	原生动物，海绵体，珊瑚虫，扁形虫，绦虫，节肢动物，软体动物，腕足动物，环节动物，苔藓虫，棘皮类动物，半索海生动物和脊索动物，包括脊椎动物

[illegible]5.1[illegible] [29]

[illegible]5.9[illegible]5.7[illegible]Burgess shale[illegible]5.2[illegible]·[illegible]·[illegible][30][illegible]

[illegible]5.1[illegible]——4.4[illegible]“[illegible]”[illegible][31][illegible]4.1[illegible]——3.6[illegible]“[illegible]”[illegible]

[illegible]——[illegible][32][illegible]4.4[illegible]——4.1[illegible]5.1[illegible]4.4[illegible]

[illegible]·[illegible]Nicholas Humphrey[illegible]“[illegible]”[illegible]“[illegible]”[33][illegible]·[illegible]Terrence Deacon[illegible]sentience[illegible]consciousness[illegible]“[illegible]”[34][illegible]

[illegible]——[illegible][35] [illegible]“[illegible]”[illegible]

[illegible]——[illegible]——[illegible]3.2[illegible]3.6[illegible]——2.9[illegible]“[illegible]”[illegible]“[illegible]”[illegible]2.5[illegible][36] [illegible]2.5[illegible]——2.1[illegible]6500[illegible][37]

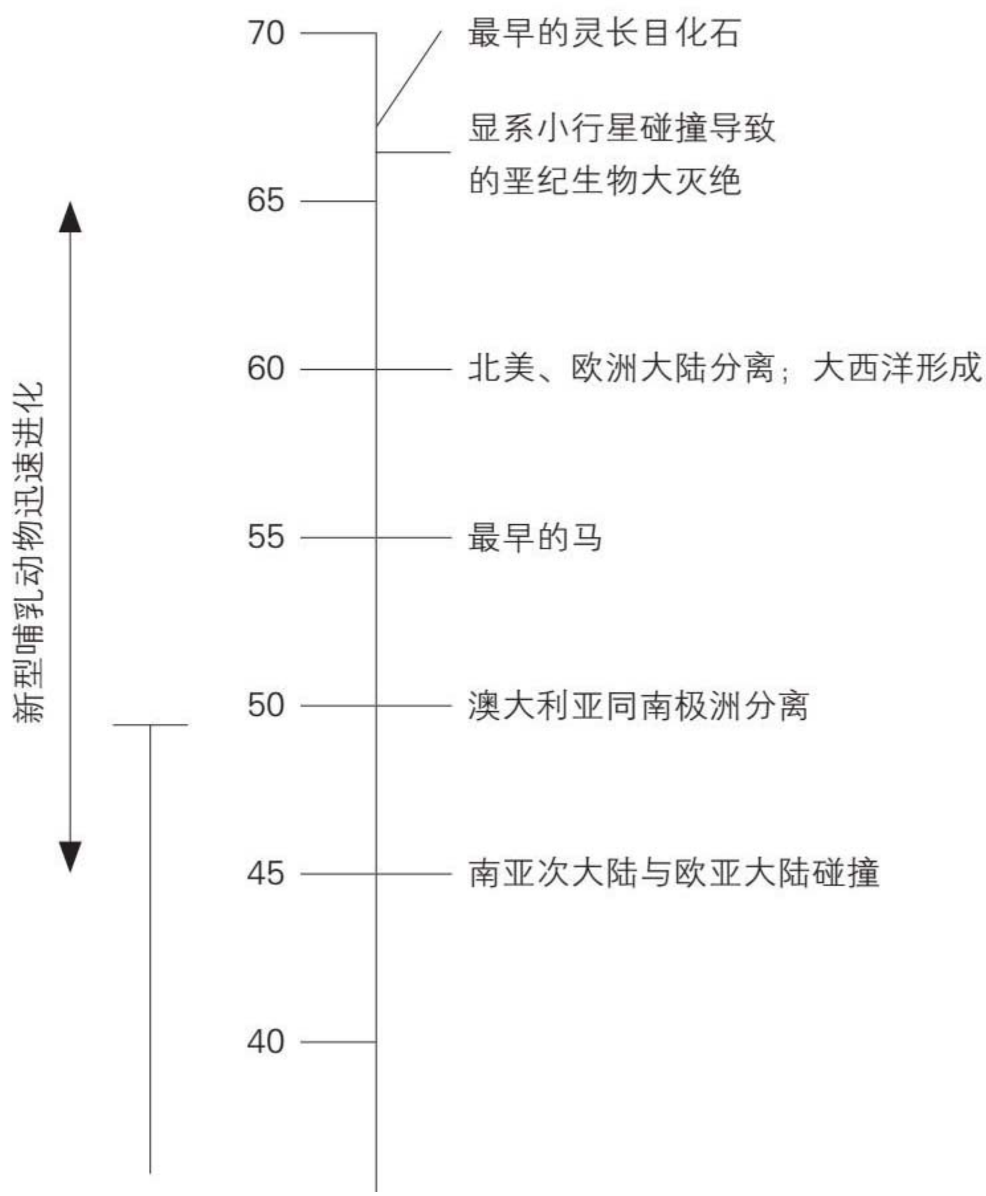
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[illegible]

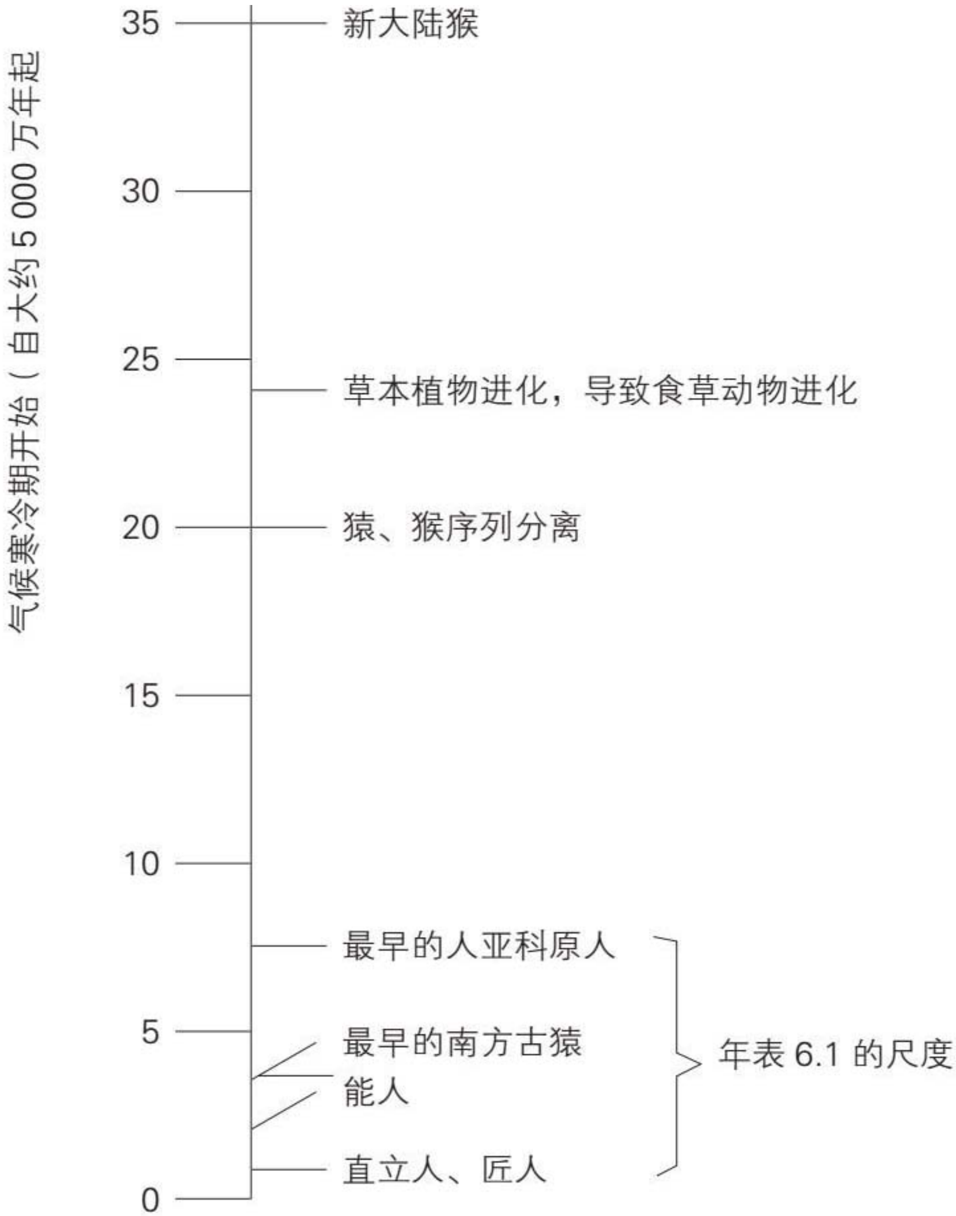
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[illegible]——[illegible]

[39]



70
最早的灵长目化石
显系小行星碰撞导致
的垩纪生物大灭绝
65
60
北美、欧洲大陆分离；大西洋形成
55
最早的马
50
澳大利亚同南极洲分离
45
南亚次大陆与欧亚大陆碰撞
40
新型哺乳动物迅速进化



[illegible]5.2 [illegible]7000[illegible]

[illegible]200[illegible]

[illegible]Hominoidea, hominoids[illegible]2500[illegible]

[illegible]Alvares[illegible]17[illegible]“[illegible]dari[illegible]Amienu[illegible]” [40]

[illegible]Hominoidea[illegible]Hominidae[illegible]Pongidae[illegible]Hylobatidae[illegible]Gorillinae[illegible]Homininae[illegible]500[illegible]700[illegible]6[illegible]

[illegible]“[illegible]”

[illegible]

[illegible]·[illegible]James Lovelock[illegible]“[illegible]”——[illegible]

> [illegible]20[illegible]70[illegible] [41]

[illegible]46[illegible]40%[illegible]15℃[illegible]

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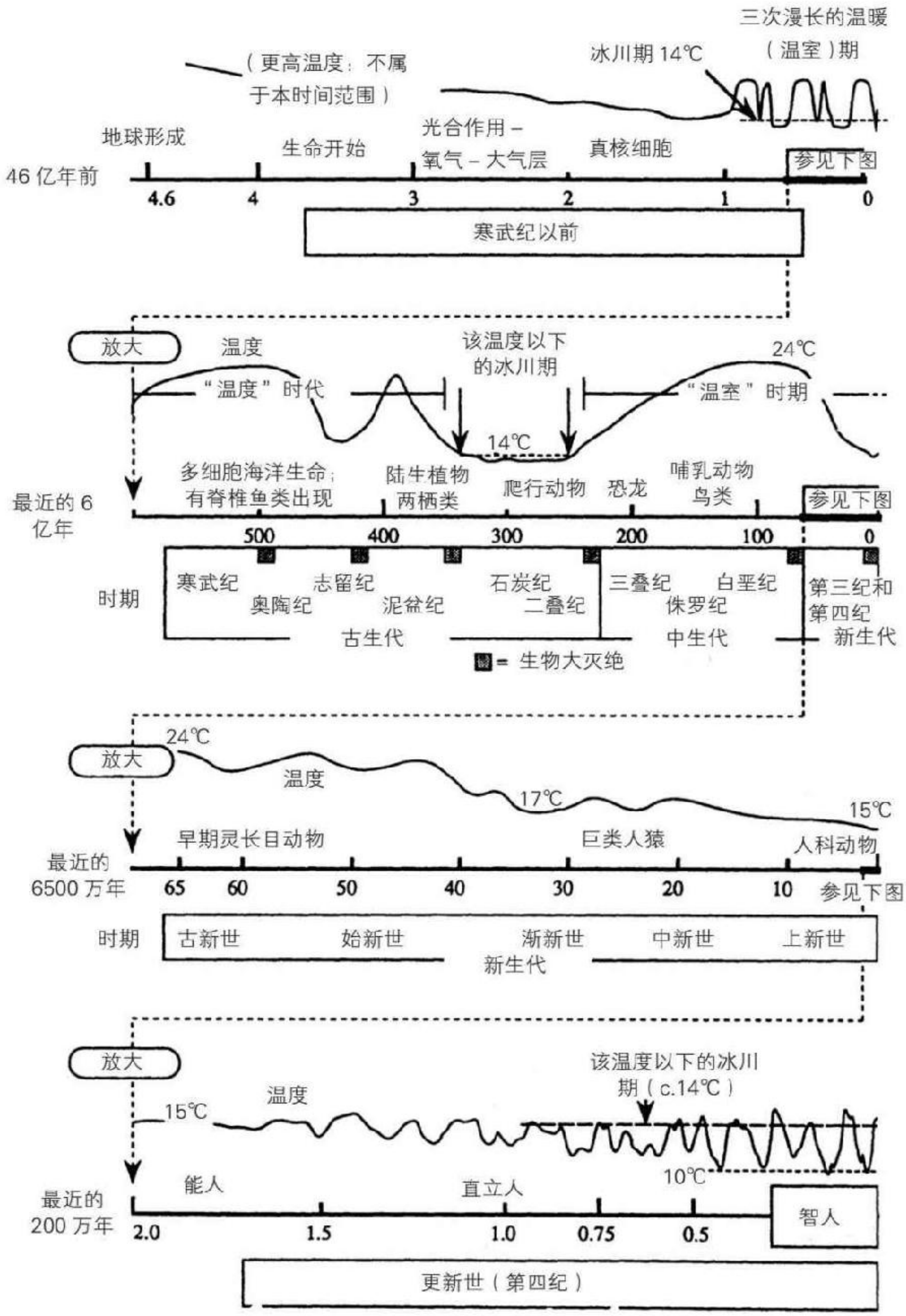
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[illegible]——[illegible]“[illegible]”[illegible]

[illegible] “[illegible]” [illegible] 5 [illegible] —— [illegible] 75% [illegible] 2.5 [illegible] 95% [illegible] [45] [illegible]

[illegible] 2300 [illegible] 520 [illegible] 520 [illegible] 160 [illegible] 600 [illegible] 6% [illegible] 350 [illegible] 250 [illegible] 90 [illegible] “[illegible]” [illegible] 5.2 [illegible] [46]

[illegible] 500 [illegible] 280 [illegible] 4 [illegible] 100 [illegible] 7 [illegible] 100 [illegible] 1 [illegible] [47] [illegible] 1 [illegible] 10 [illegible] 1 [illegible] 1 [illegible]


三次漫长的温暖
（温室）期
冰川期 14℃
（更高温度：不属
于本时间范围）
地球形成
生命开始
光合作用－
氧气－大气层
真核细胞
参见下图
46 亿年前
4.6
4
3
2
1
0
寒武纪以前
放大
温度
"温度"时代
该温度以下
的冰川期
24℃
"温室"时期
14℃
多细胞海洋生命；
有脊椎鱼类出现
陆生植物
两栖类
爬行动物
恐龙
哺乳动物
鸟类
参见下图
最近的 6
亿年
500
400
300
200
100
0
时期
寒武纪
奥陶纪
志留纪
泥盆纪
石炭纪
二叠纪
三叠纪
侏罗纪
白垩纪
第三纪和
第四纪
古生代
中生代
新生代
= 生物大灭绝
放大
24℃
温度
17℃
15℃
早期灵长目动物
巨类人猿
人科动物
最近的
6500 万年
65
60
50
40
30
20
10
参见下图
时期
古新世
始新世
渐新世
中新世
上新世
新生代
放大
温度
该温度以下的冰川
期（c.14℃）
15℃
10℃
能人
直立人
智人
最近的
200 万年
2.0
1.5
1.0
0.75
0.5
更新世（第四纪）

[illegible]**5.2** [illegible]

[illegible]100[illegible]A. J. McMichael[illegible]1993[illegible]27[illegible]

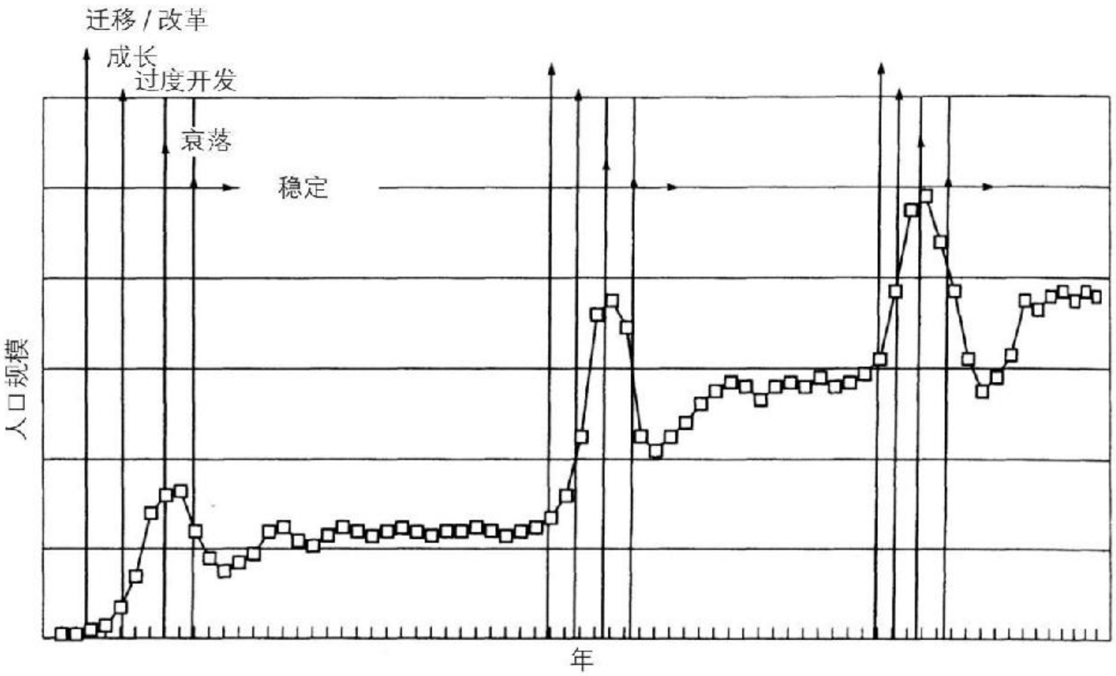
[illegible]

[illegible]

[illegible]1000[illegible]1[illegible]

[illegible]——[illegible]

[illegible]MIGODS[illegible] [48] [illegible] [49] [illegible]——[illegible]


迁移 / 改革
成长
过度开发
衰落
稳定
人口规模
年

[illegible]

[illegible]

[illegible]·[illegible]·[illegible]·[illegible]1999[illegible]1998[illegible]·[illegible]·[illegible]1989[illegible]·[illegible]1999[illegible]·[illegible]1998[illegible]·[illegible]——[illegible]40[illegible]1998[illegible]·[illegible]·[illegible]·[illegible]1987[illegible]1995[illegible]·[illegible]“[illegible]”[illegible]·[illegible]1986[illegible]·[illegible]1995[illegible]2001[illegible]

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[4] [illegible]·[illegible]·[illegible]·[illegible]·[illegible]Roger Lewin[illegible]1993[illegible]7[illegible]

[5] [illegible]·[illegible]·[illegible]·[illegible]62[illegible]

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[7] [illegible]·[illegible]1999[illegible]10[illegible]

[8] [illegible]·[illegible]John Snyder[illegible]C.[illegible]·[illegible]C. Leland Rodgers[illegible]1995[illegible]3[illegible]5[illegible]6[illegible]

[9] [illegible]·[illegible]·[illegible]97[illegible]

[10] [illegible]·[illegible]·[illegible]88[illegible]

[11] □□·□□□□□□□·□□□□□□□□□93□□

[12] □□□□□□□□□□·□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1998□□□168□□□170□□□□

[13] □□·□□□□□□□·□□□□□□□□□6□□

[14] □□□·□□□□□□□□□□□□□□□1979□□□□□□□□□□1987□□□□□69□□

[15] □□·□□□□□□□·□□□□□□□□□93□□

[16] □□·□□□□□□□·□□□□□□□□□114□□

[17] □□·□□□□□□□·□□□□□□□□□□□□□□□□□□□□□□□1995□□□73□□

[18] □□·□□□·□□□□□□·□□□□□□□□□□□□6□□

[19] □□·□□□□□□□·□□□□□□□□□115□□

[20] □□·□□□□□□□·□□□□□□□□□119□□□□□□□□□□□□□□□□□□□□□123—125□□

[21] □□·□□□□□□□·□□□□□□□□□142□□

[22] □□·□□□·□□□□□□·□□□□□□□□□□□□7□□

[23] □□□·A.□□Richard A. Fortey□□□□——□□□□□40□□□□□□□□□□□□□□□□□□□□□□□□1998□□□89□□

[24] □□□□□□□□□□□□□□□□□□110□□□□□□□□

[25] □□·□□□·□□□□□□·□□□□□□□□□□□□125—129□□

[26] □□·□□□·□□□□□□·□□□□□□□□□□□□28□□

[27] □□□□□□□□□·□□□□□□□□□□——□□□□□□□□□□□□□□□□□□1995□□□109□□□□□□□□□□□□□□□

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[30] □□□·□·□□□□□□□□□□□□□□□□□□□1989□□□

[31] □□·□□□□□□□·□□□□□□□□□187□□

[32] □□·□□□□□□□·□□□□□□□□□174—175□□

[33] □□□□·□□□□□□□□□□□□□□□□□□□□□1992□□□97□□□□□□□195□□

[34] □□□·W.□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1997□□□455□□

[35] □□□·W.□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1997□□□450□□

[36] □□□□·□□□□□□□□□□□□□□□2002□3□□□76—83□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Bedout□□

[37] □□“□□□□”□□□·□□□·□□□□Jeannin Davis Kimball□□□·□□□Mona Behan□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□2002□□□6□□

[38] [illegible]·[illegible]Tim Flannery[illegible]2001[illegible]1[illegible]

[39] [illegible]219—225[illegible]

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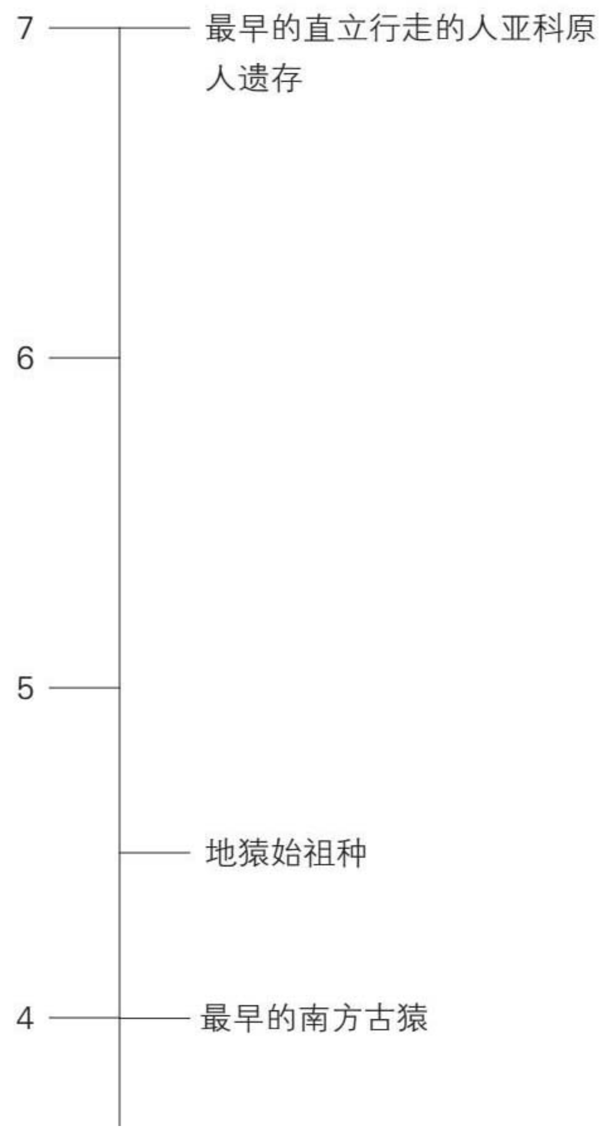
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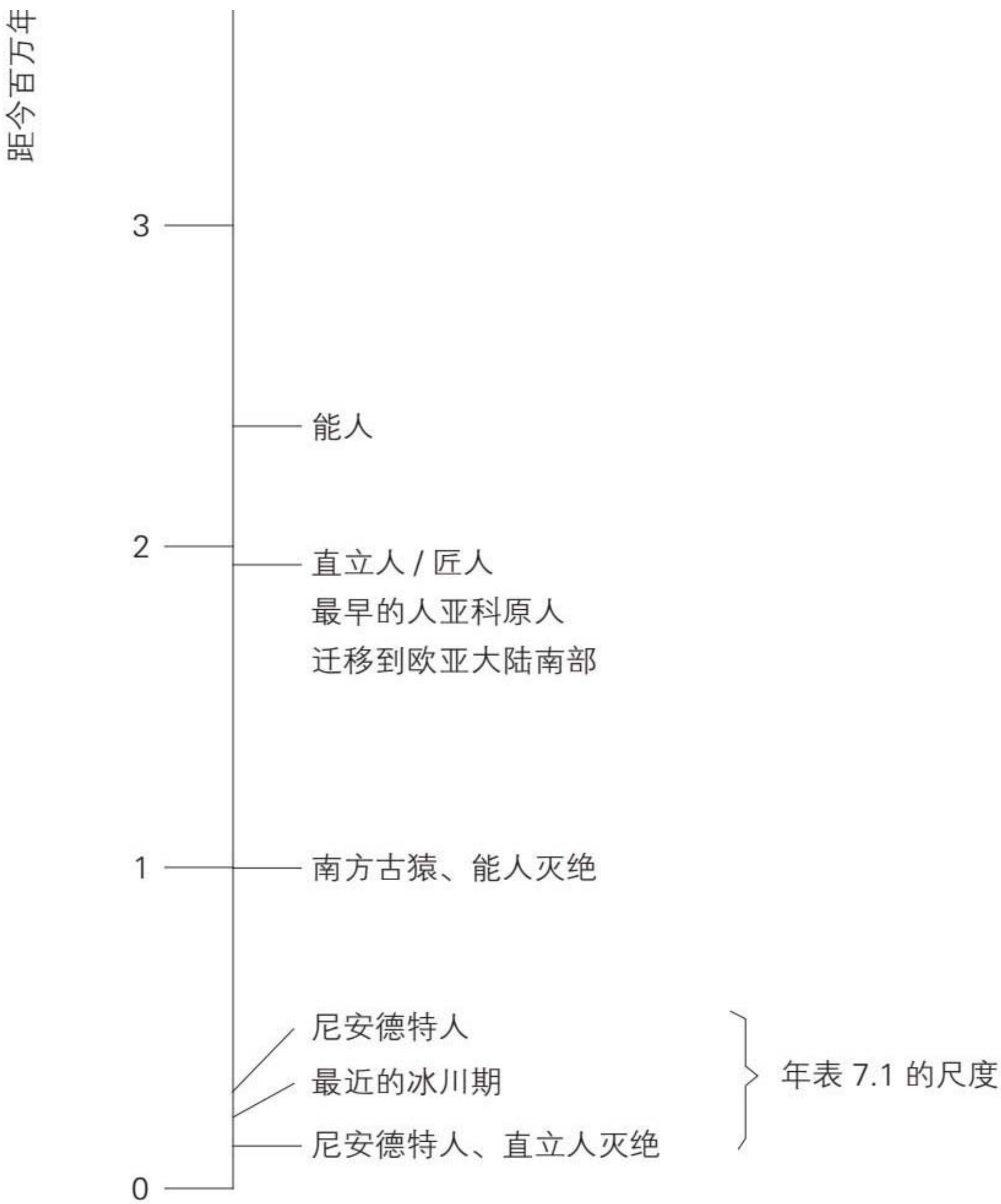
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[49] “[illegible]Leibig[illegible]……[illegible]”[illegible]·W.[illegible]Allen W. Johnson[illegible]·[illegible]2[illegible]2000[illegible]14—15[illegible]

[illegible]3[illegible]

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7
最早的直立行走的人亚科原人遗存
6
5
地猿始祖种
4
最早的南方古猿


距今百万年
3
能人
2
直立人 / 匠人
最早的人亚科原人
迁移到欧亚大陆南部
1
南方古猿、能人灭绝
尼安德特人
最近的冰川期
尼安德特人、直立人灭绝
0
年表 7.1 的尺度

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[illegible]

[illegible]

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[illegible]“[illegible]”[illegible]

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[illegible]6.1[illegible]“[illegible]”[illegible]1[illegible]6000[illegible]1[illegible]

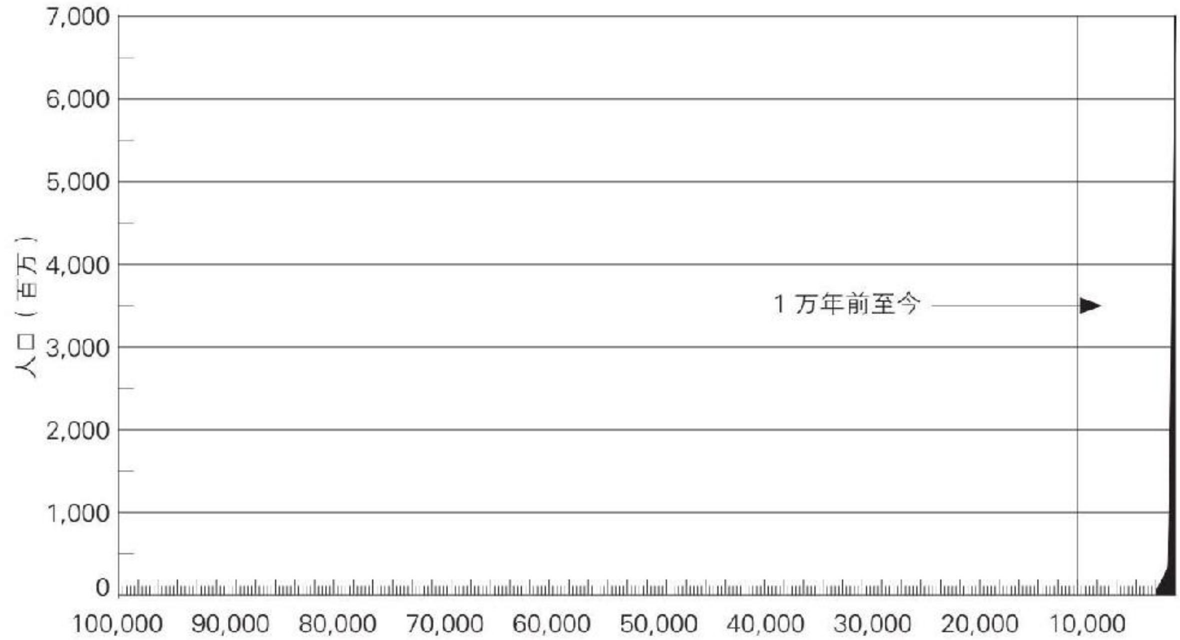
[illegible]60[illegible]6.1[illegible]5[illegible]NPP[illegible]“[illegible]”[illegible]25%[illegible]40%[illegible]·[illegible]“[illegible]1/4[illegible]” [3]

[illegible]6.1 [illegible]=1000[illegible]/[illegible]

	食物（含喂养动物）	家庭与商业	工业与农业	交通	人均总计	全部人口（百万计）	总计
技术社会（当代）	10	66	91	63	230	6000	1 380 000
工业社会（1850 年前）	7	32	24	14	77	1600	123 200
高级农业社会（距今 1000 年）	6	12	7	1	26	250	6500
早期农耕社会（距今 5000 年）	4	4	4		12	50	600
狩猎者（距今 1 万年）	3	2			5	6	30
原始人	2				2	不详	不详

[illegible]I. G.[illegible]I. G. Simmons[illegible]2[illegible]1996[illegible]27[illegible]

[illegible]6.2[illegible]6.3[illegible]6.1[illegible]10[illegible]1[illegible]3[illegible]1[illegible]



[illegible]6.1 [illegible]10[illegible]6.2[illegible]

[illegible]6.2 [illegible]10[illegible]

距今（年）	世界人口估计数	与前一日期相比每百年增长率（%）	所示翻番时间（年）	数据来源
10 万	1 万	—	—	斯特林格，150
3 万	50 万	0.56	12403	利维-巴奇，31
1 万	600 万	1.25	5580	利维-巴奇，31
5000	5000 万	4.33	1635	比拉本
3000	12 000 万	4.47	1583	比拉本
2000	25 000 万	7.62	944	利维-巴奇，31
1000	25 000 万	0.00	∞	利维-巴奇，31
800	40 000 万	26.49	295	利维-巴奇，31

距今（年）	世界人口估计数	与前一日期相比每百年增长率（%）	所示翻番时间（年）	数据来源
600	37500 万	−3.18	不详	利维–巴奇，31
400	57800 万	24.5	320	利维–巴奇，31
300	68000 万	17.65	427	利维–巴奇，31
200	95400 万	40.29	205	利维–巴奇，31
100	163400 万	71.28	129	利维–巴奇，31
50	253000 万	139.74	79	利维–巴奇，31
0	600000 万	462.42	40	利维–巴奇，31

□□□□□□□□□J. R. Biraben□□□□□□□□□□□□□□□□□□□34□□1997□□□□13—25□□□□□·□□——□□□Massimo Livi-Bacci□□□□□□□□□□□□□□·□□□□Carl Ipsen□□□□□□□□□□□□□□□1996□□□□□□·□□□□□Chris Stringer□□□□·□□□Robin Mckie□□□□□□□□□□□□□□□□□□□1996□□

□6.3 □□□□□□□□□□□□□

时代	起始（距今年）	结束（距今年）	起始人口（百万）	结束人口（百万）	每百年增长率（%）	所示翻番时间（年）
旧石器时代	10 万	1 万	0.01	6	0.71	9752
中期	10 万	3 万	0.01	0.5	0.56	12403
晚期	3 万	1 万	0.5	6	1.25	5579
农耕时代	1 万	1000	6	250	4.23	1673
早期	1 万	5000	6	50	4.33	1635
农耕文明	5000	1000	50	250	4.11	1723
公元第一个千年除外	5000	2000	50	250	5.51	1292
现代	1000	0	250	6000	37.41	218
早期	1000	200	250	950	18.16	415
工业化	200	0	950	6000	151.31	75

[illegible]6.2

[illegible]“[illegible]”[illegible]4629[illegible]1096[illegible]24%[illegible]9627[illegible]1107[illegible]11%[illegible]6900[illegible]253[illegible]4%[illegible]4522[illegible]124[illegible]3%[illegible]25000[illegible]734[illegible]3%[illegible]27[illegible]25971[illegible]10%[illegible][4][illegible]6[illegible]5—6[illegible][5][illegible]10[illegible]10[illegible]

[illegible]10[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]“[illegible]——[illegible]——[illegible]‘[illegible]’[illegible]”[6]

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·（Shirley Strum）“ ”（Pumphouse Gang）[8]

·（John Mears）“ ”[9]

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[illegible]“[illegible]”[illegible]——[illegible]——[illegible]——[illegible]“[illegible]”[illegible] [11] [illegible]·[illegible]Terrence Deacon[illegible]“[illegible]——[illegible]

[illegible]”[illegible] [12]

[illegible]10[illegible]1[illegible] [13] [illegible]

[illegible]

[illegible]20[illegible]

[illegible]·[illegible]Don Johanson[illegible]20[illegible]70[illegible]40%[illegible]300[illegible]350[illegible]

[illegible]——[illegible]

[illegible]400[illegible]700[illegible]10[illegible]4[illegible]“[illegible]”[illegible]“[illegible]”——[illegible]

[illegible]1967[illegible]·[illegible]Vincent Sarich[illegible]·[illegible]Alan Wilson[illegible][14][illegible]——[illegible][15]

[illegible]20[illegible]70[illegible]1500[illegible]3000[illegible]——[illegible]1.6%[illegible]98.4%[illegible]1.6%[illegible]6500[illegible]10%[illegible]500[illegible]700[illegible][16][illegible]——[illegible]800[illegible]1000[illegible]1300[illegible]1600[illegible]

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·Jane Goodall·Dian Fossey10Great Apes[18]

Pan troglodytes

“”[19]

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San People

“”

[20]

10

[illegible]

[illegible]

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[illegible][21][illegible]——[illegible]

[illegible]Old World[illegible]——[illegible]——[illegible]2000[illegible]2300[illegible]——520[illegible][22][illegible]1800[illegible]

[illegible]

[illegible]

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2000

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Ardipithecus ramidus kadabba 2001 7

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440

[illegible]

[illegible]

[illegible] 1995 [illegible] Lake Turkana [illegible] 420 [illegible] [29] [illegible] · [illegible] Don Johanson [illegible] 20 [illegible] 70 [illegible] 40% [illegible] Lucy [illegible] 1.1 [illegible] 1.5 [illegible] 370 [illegible] 300 [illegible] Afar valley [illegible] [30] 1998 [illegible] 350 [illegible] 250 [illegible] · [illegible] Mary Leakey [illegible] Laetoli [illegible] 370 [illegible] 350 [illegible] 1995 [illegible] *Australopithecus bahrelghazali* [illegible] 300 [illegible] 350 [illegible] 20 [illegible]

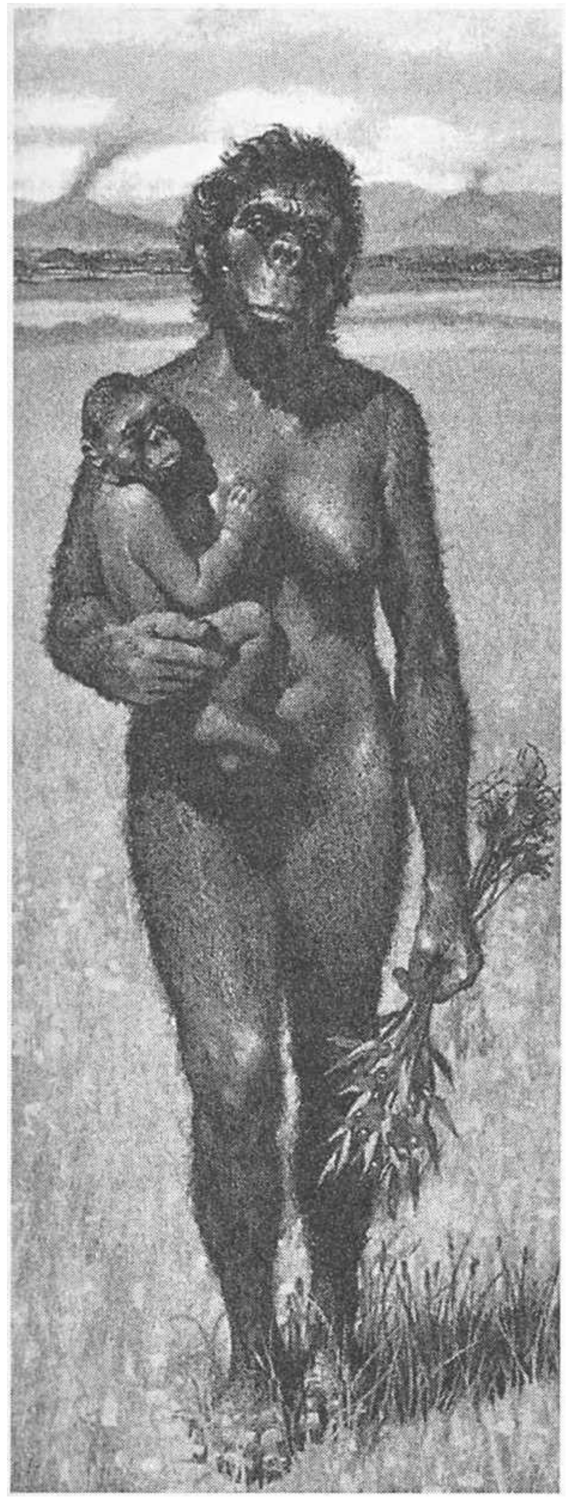
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[illegible]——[illegible]——[illegible]

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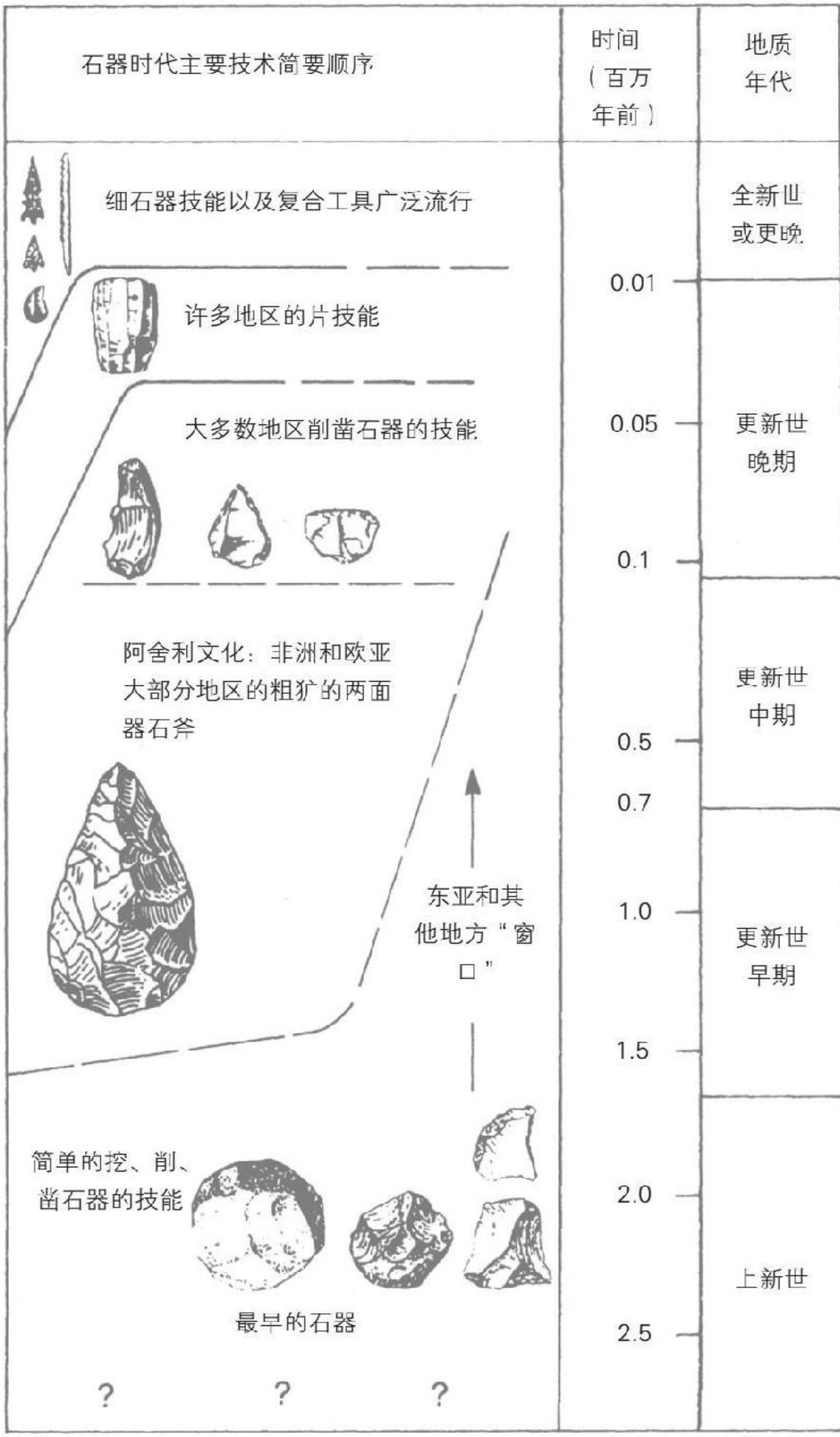
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[illegible]Oldowan[illegible]200[illegible]25[illegible]6.3[illegible]“[illegible]”[illegible]


石器时代主要技术简要顺序
时间（百万年前）
地质年代
细石器技能以及复合工具广泛流行
全新世或更晚
0.01
许多地区的片技能
大多数地区削凿石器的技能
0.05
更新世晚期
0.1
阿舍利文化：非洲和欧亚大部分地区的粗犷的两面器石斧
更新世中期
0.5
0.7
东亚和其他地方“窗口”
1.0
更新世早期
1.5
简单的挖、削、凿石器的技能
2.0
最早的石器
上新世
2.5
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[illegible]6.3 250[illegible]

[illegible]·[illegible]Steven Jones[illegible]·[illegible]Robert Martin[illegible]·[illegible]David Pilbeam[illegible]·[illegible]1992[illegible]357[illegible]

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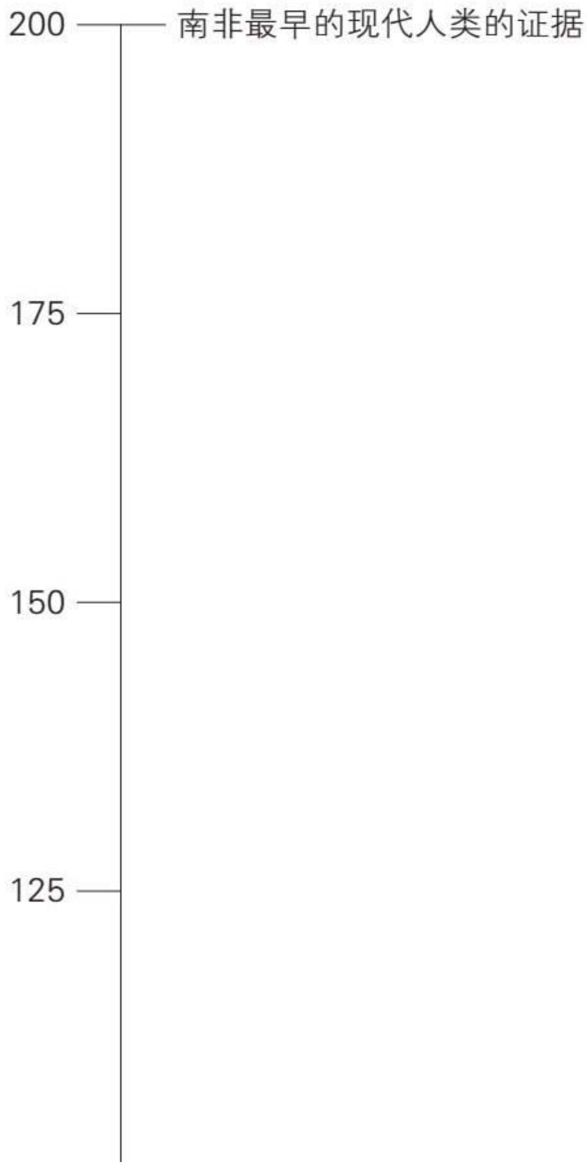
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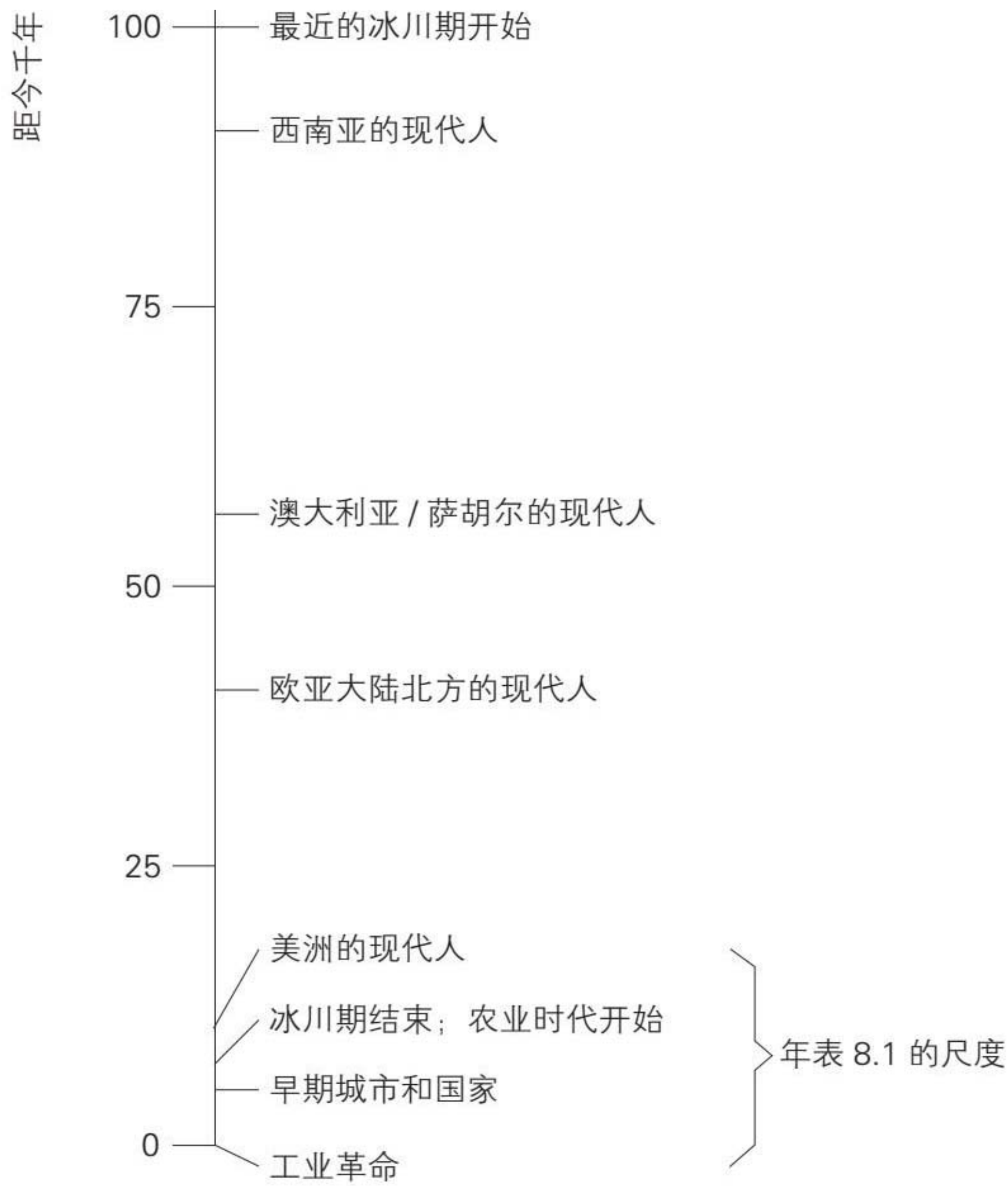
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200
南非最早的现代人类的证据
175
150
125



距今千年
100
最近的冰川期开始
西南亚的现代人
75
澳大利亚 / 萨胡尔的现代人
50
欧亚大陆北方的现代人
25
美洲的现代人
冰川期结束；农业时代开始
早期城市和国家
0
工业革命
年表 8.1 的尺度

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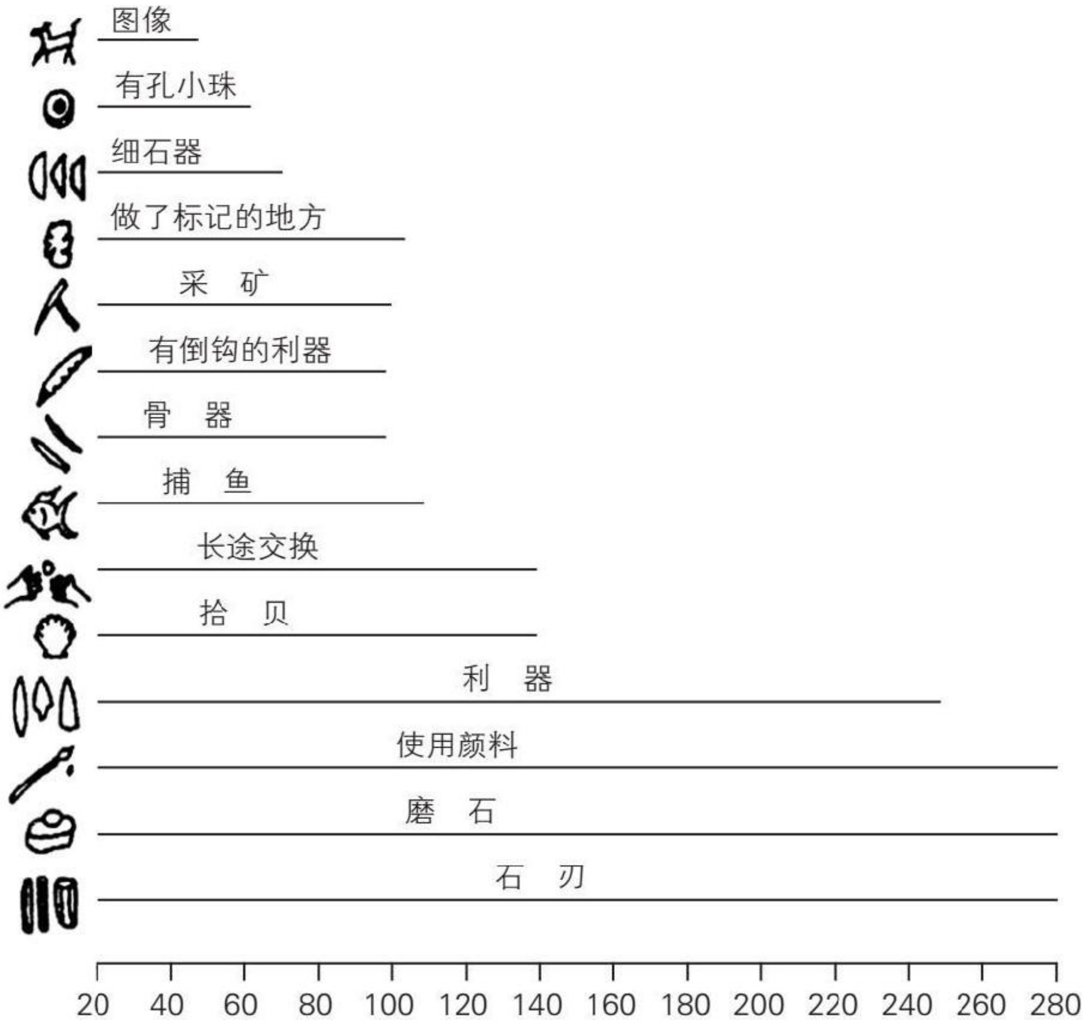
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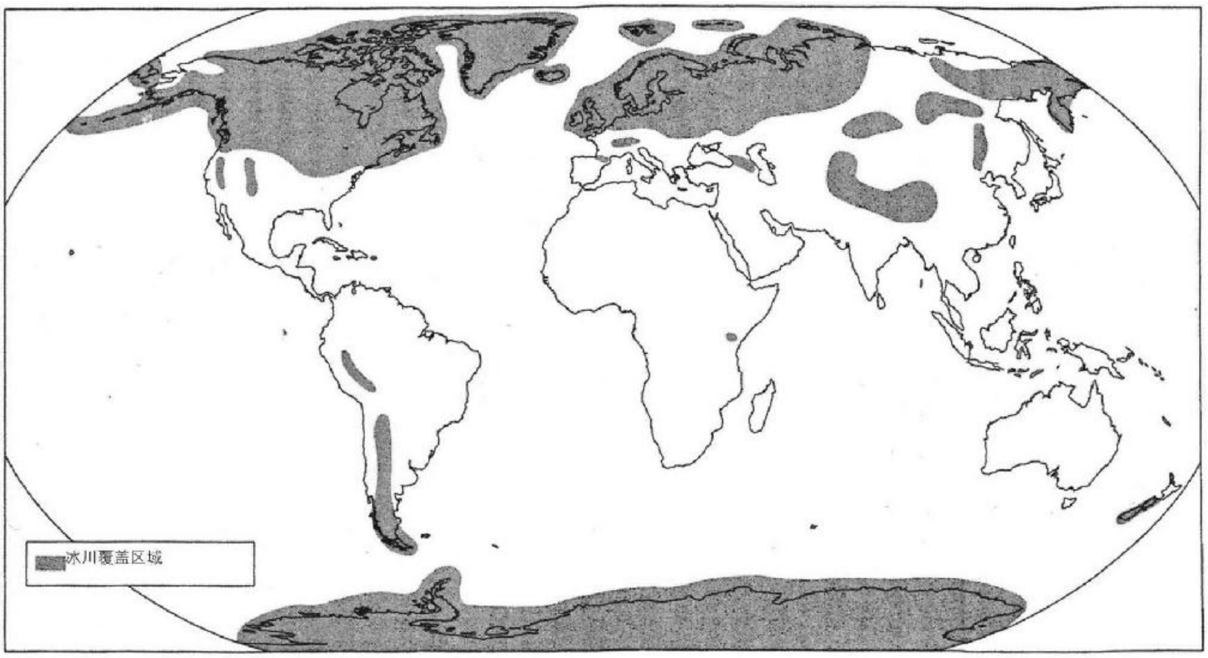
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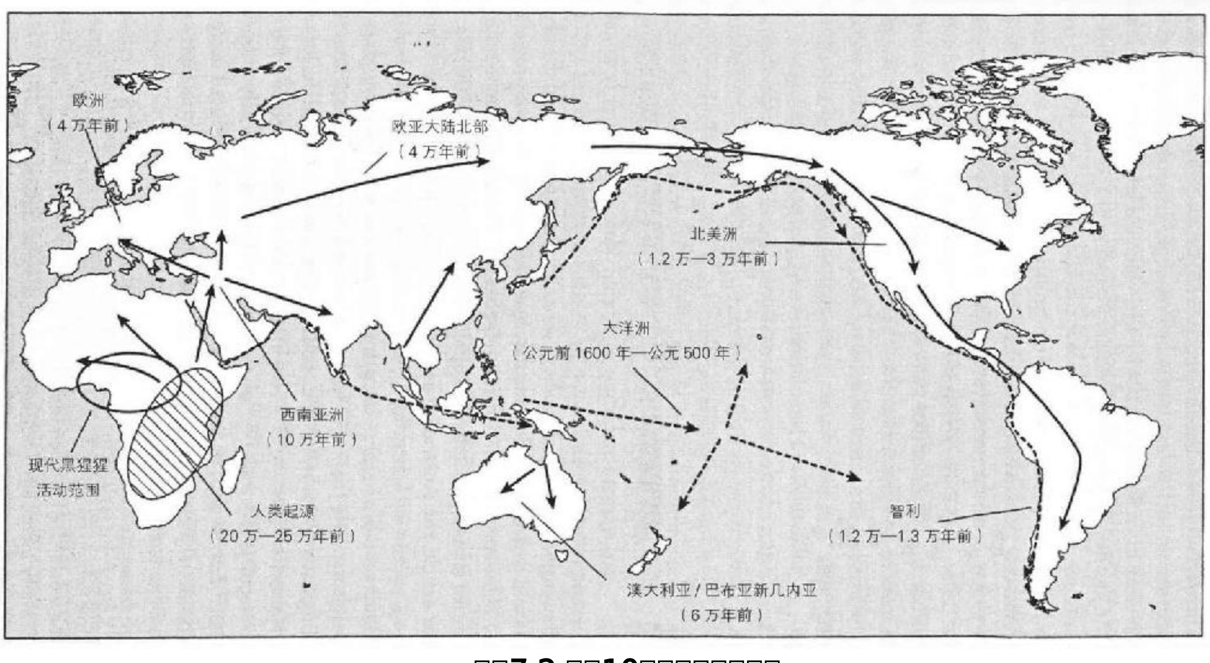
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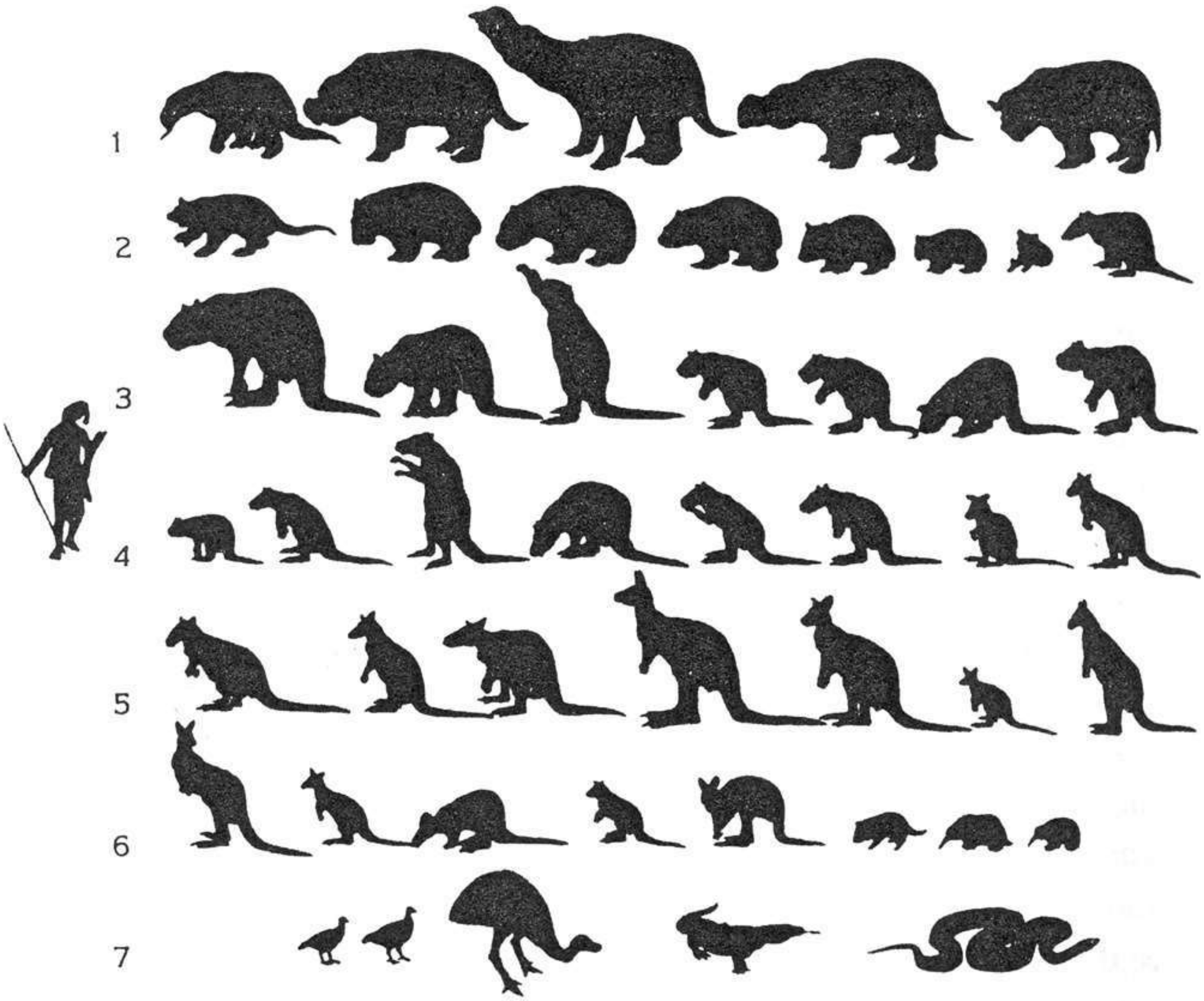
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[18] [illegible]·[illegible]·[illegible]1995[illegible]8[illegible]“[illegible]R. [illegible]·[illegible]1895—1983[illegible]‘[illegible]’[illegible]synergos[illegible]”

[19] [illegible]52[illegible]4[illegible]“[illegible]”[illegible]

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[21] [illegible]·W. [illegible]Allen W. Johnson[illegible]·[illegible]Timothy Earle[illegible]2000[illegible]2[illegible]3[illegible]

[22] [illegible]·[illegible]1989[illegible]125[illegible]·[illegible]——[illegible]·[illegible]1972[illegible]26—27[illegible]

[23] [illegible]·[illegible]1972[illegible]1—39[illegible]1[illegible]

[24] [illegible]16[illegible]

[25] [illegible]·W. [illegible]·[illegible]2000[illegible]14[illegible]

[26] [illegible]·R. [illegible]1982[illegible]2[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·W. [illegible]·[illegible]“[illegible]”[illegible]

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[28] [illegible]20[illegible]

[29] [illegible]·[illegible]1984[illegible]·W. [illegible]·[illegible]75[illegible]

[30] [illegible]·[illegible]——[illegible]·[illegible]1[illegible]1[illegible]1993[illegible]26—27[illegible]

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[34] [illegible]·[illegible]·R. [illegible]1959[illegible]

[35] [illegible]

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[46] [illegible]·[illegible]1999[illegible]42[illegible]·[illegible]·[illegible]2[illegible]W. W. [illegible]1994[illegible]2[illegible]

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[55] [illegible]·[illegible]100[illegible]

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[58] [illegible]4500[illegible]86[illegible]

[59] [illegible]4.5[illegible]·[illegible]2001[illegible]189—191[illegible]

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[61] [illegible]·G. [illegible]·F. [illegible]·K. [illegible]46000[illegible]2001[illegible]6[illegible]8[illegible]1888—1892[illegible]·[illegible]2001[illegible]6[illegible]8[illegible]1893—1896[illegible]“[illegible]”[illegible]100[illegible]4.6[illegible]

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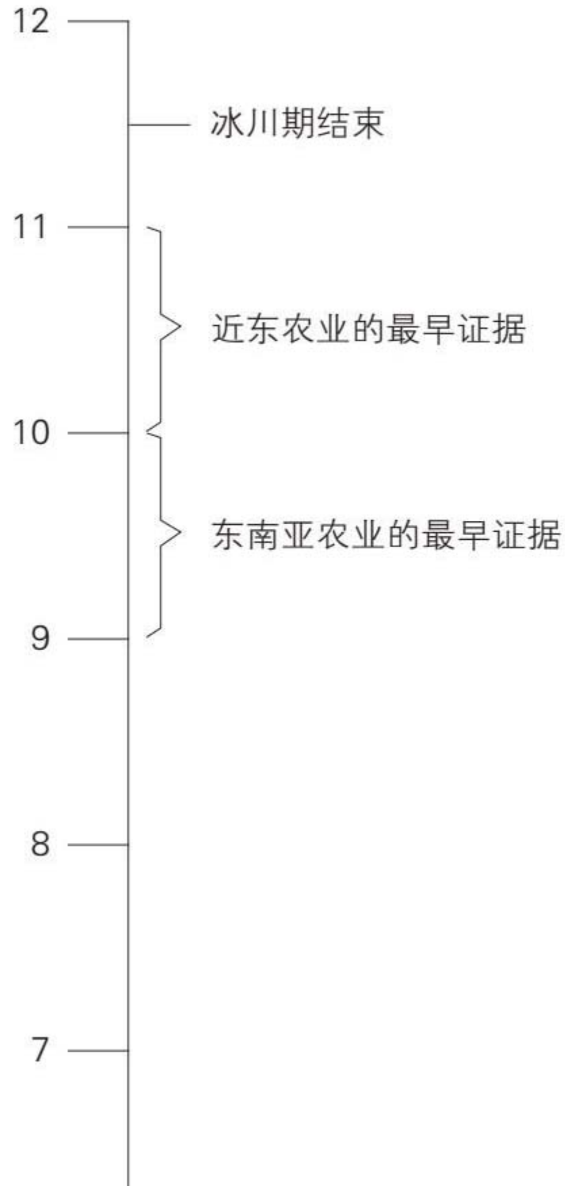
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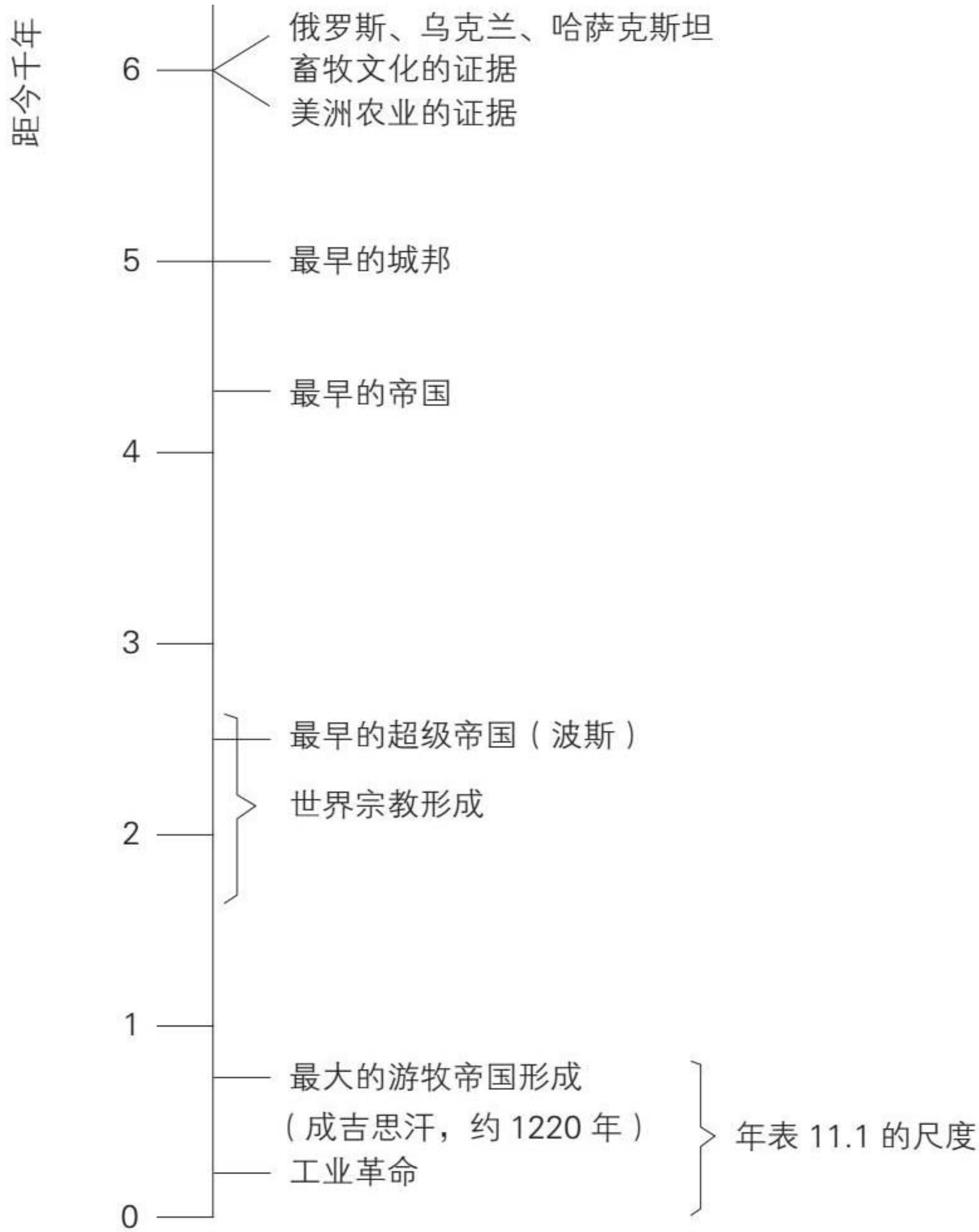
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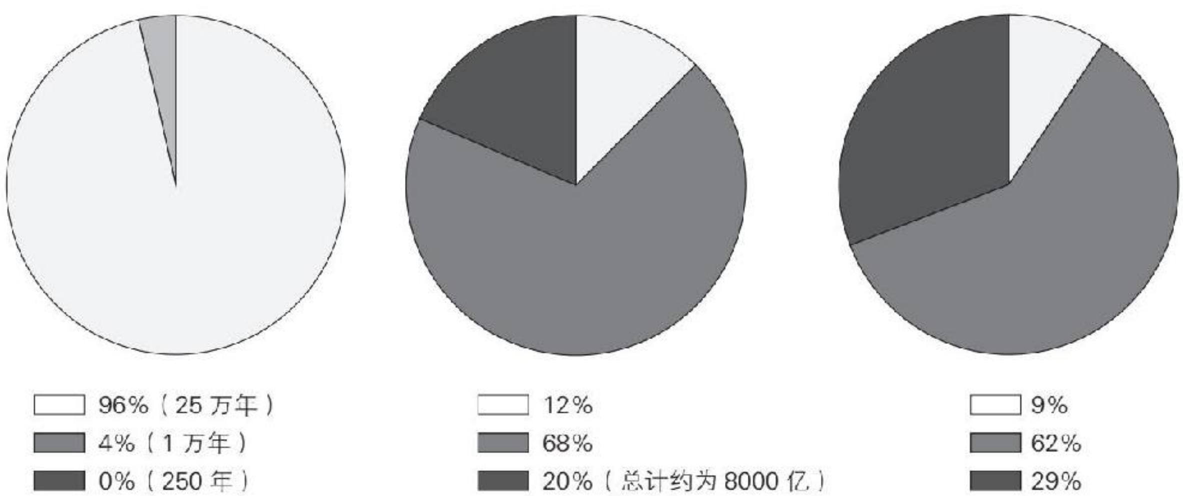
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12
冰川期结束
11
近东农业的最早证据
10
东南亚农业的最早证据
9
8
7


距今千年
6
俄罗斯、乌克兰、哈萨克斯坦
畜牧文化的证据
美洲农业的证据
5
最早的城邦
最早的帝国
4
3
最早的超级帝国（波斯）
世界宗教形成
2
1
最大的游牧帝国形成
（成吉思汗，约 1220 年）
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年表 11.1 的尺度

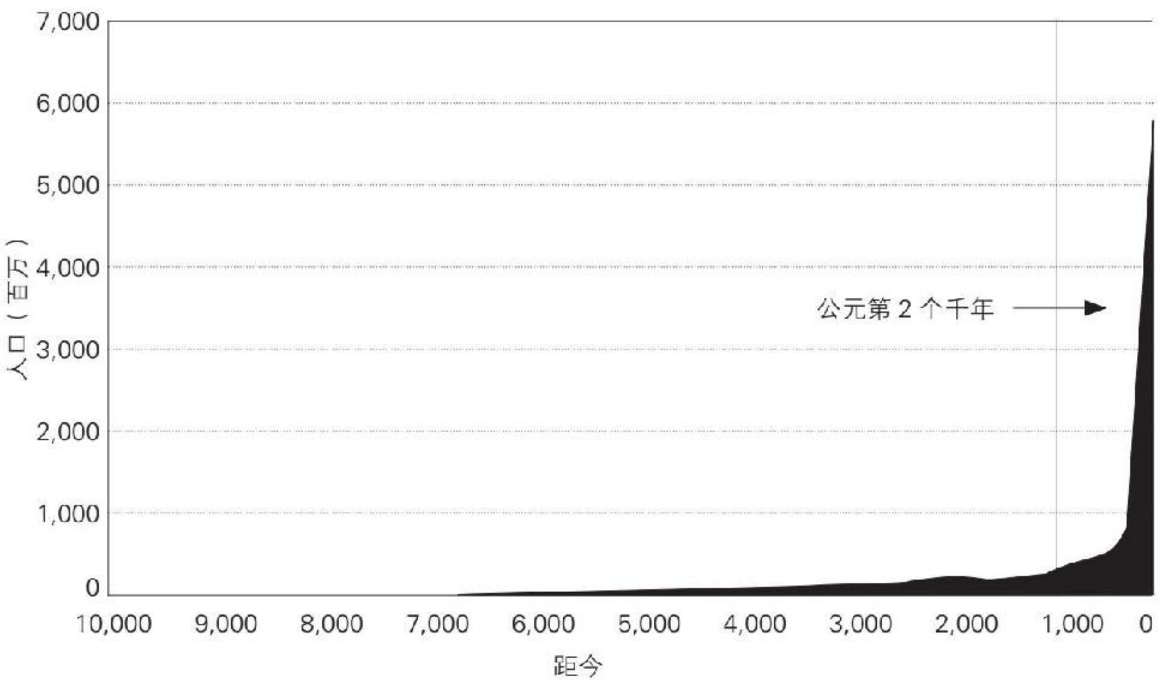
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[illegible]8.1 [illegible]

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7500□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[illegible]“[illegible]”[illegible]

[illegible]8.1 [illegible]

时代名称	大致时间段	重要特征
时代 1：许多世界——	距今 30 万 /25 万—1 万	距今 25 万 /20 万—1 万年 人类最早适应性的技能；许多小型、联系松散的共同体；人口增长并且扩散；人类进入新的环境，在可居住的地方定居；旧石器时代和人类历史的开端
时代 2：几个世界	距今 10000—500 年	集约化和密集的、相互联系的居住点；逐渐增长的适应方式、新型的共同体、逐渐增长的人造环境、逐渐增长的人口；三种分离的世界区，以类似的轨迹、信息交换的不同协同方式制约下的不同速度发展
时代 3：一个世界	500 年前—现在	单一的、全球化体系；不同层次的集体的知识；加速索取资源；控制生物圈的资源；其他生物体灭绝

[illegible]10 000[illegible]11 000[illegible]5000[illegible]6000[illegible]20[illegible]

[illegible]

[illegible]

[illegible]25 000[illegible]18 000[illegible]18 000[illegible]13 000—11 500[illegible]11 500[illegible]

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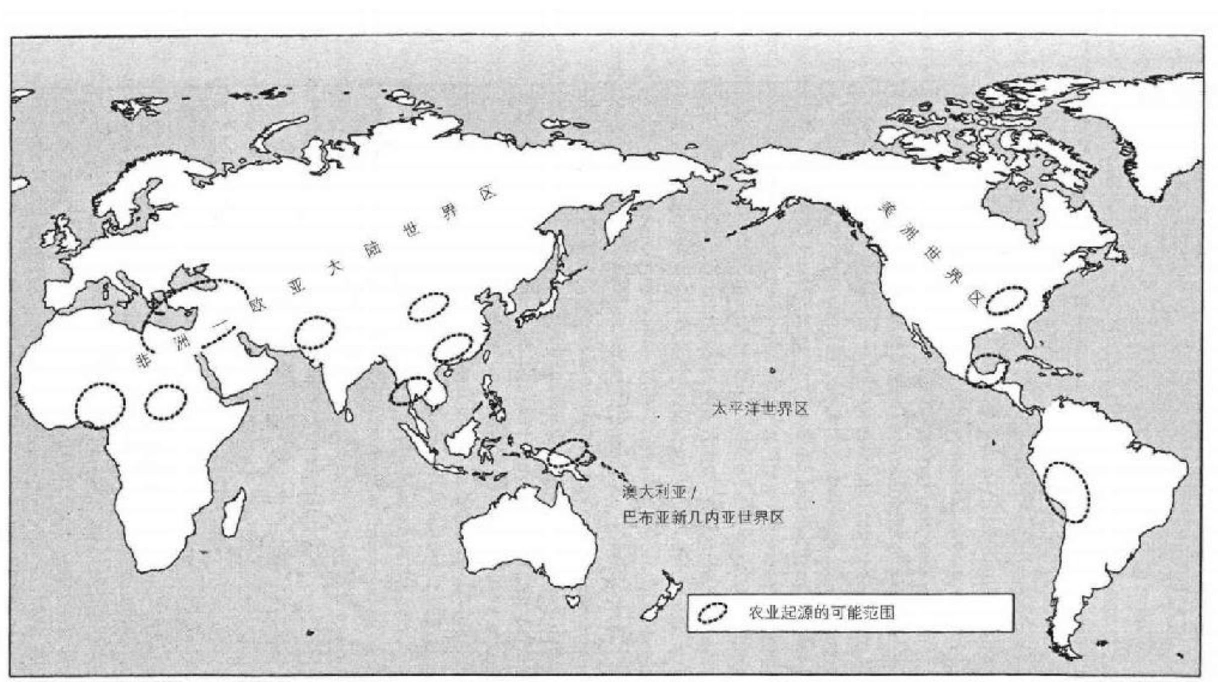
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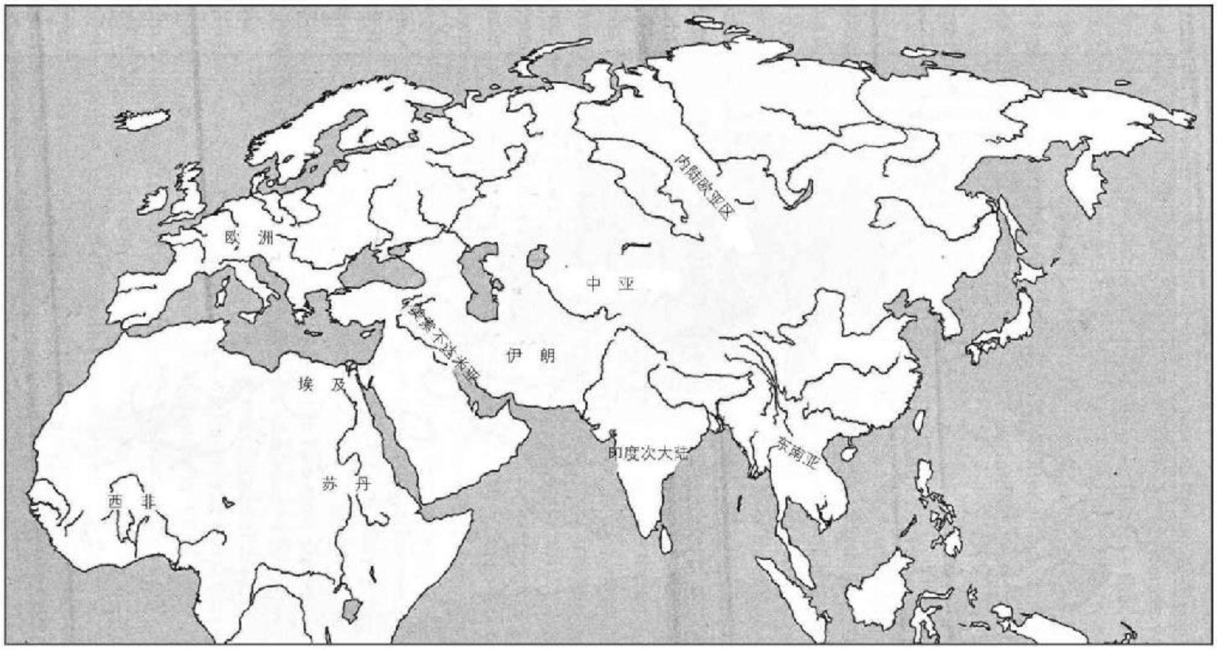
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[illegible]“[illegible]”[illegible][8][illegible][9][illegible]—[illegible]4000[illegible]·[illegible]Joseph Greenberg[illegible][10]



[illegible]8.1 [illegible]



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[illegible]——[illegible][12]

[illegible]——[illegible]

[illegible][13][illegible]·[illegible]Bruce Smith[illegible]“[illegible]”[illegible][14][illegible]“[illegible]”[illegible]

[illegible]

[illegible]

[illegible]90%[illegible]

[illegible]8.2[illegible]——[illegible]

[illegible]

[illegible]8.2[illegible]9000[illegible]5000[illegible]6000[illegible][15]

[illegible]8.2 [illegible]

时间（距今1000年）	西南亚	中亚/东亚	非洲	美洲
13—12				狗
12—11	狗、山羊、绵羊			
11—10	二粒/单粒小麦、大麦、豌豆和绿豆、猪			
10—9	黑麦、牛			葫芦、南瓜
9—8	亚麻			胡椒、牛油果、豆
8—7	狐尾草、葫芦、狗			玉米、伊拉玛[2]/羊驼
7—6	枣椰、葡萄	荸荠、普通小麦、桑树、稻、水牛	龙爪粟	
6—5	橄榄、驴子	马、牛（瘤牛）、洋葱	油棕、高粱	棉花
5—4	甜瓜、韭葱、橡子	骆驼（大夏型）	山药？豇豆	花生、甘薯
4—3	骆驼（单峰）	大蒜	猫、珍珠、小米	豚鼠、木薯
3—2				土豆、火鸡
2—1				菠萝、烟草

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□□□□□□□□□□·□□□□Francis Galton□□□□□□□□□□□□□□□□□□□□□□□□□□“□□”□□□□□“□□”□□□[16]□□□

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[illegible]—[illegible]11000[illegible]9000[illegible]8[illegible]——[illegible]11500[illegible]10700[illegible][17][illegible]

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[illegible]6000[illegible]4000[illegible]4000[illegible]

[illegible]5500[illegible]Tehuacán[illegible]4000[illegible]

[illegible] [21]

[illegible]

[illegible] 4000 [illegible] 3000 [illegible] 1800 [illegible] 1100 [illegible] [22]

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[illegible]“[illegible]”[illegible]

[illegible]20[illegible]20[illegible]N. I. [illegible]Vavilov[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]·[illegible]Robert Braidwood[illegible]——[illegible]·[illegible]Karim Shahir[illegible]Jarmo[illegible]·[illegible]Richard MacNeish[illegible]20[illegible]40[illegible][32]

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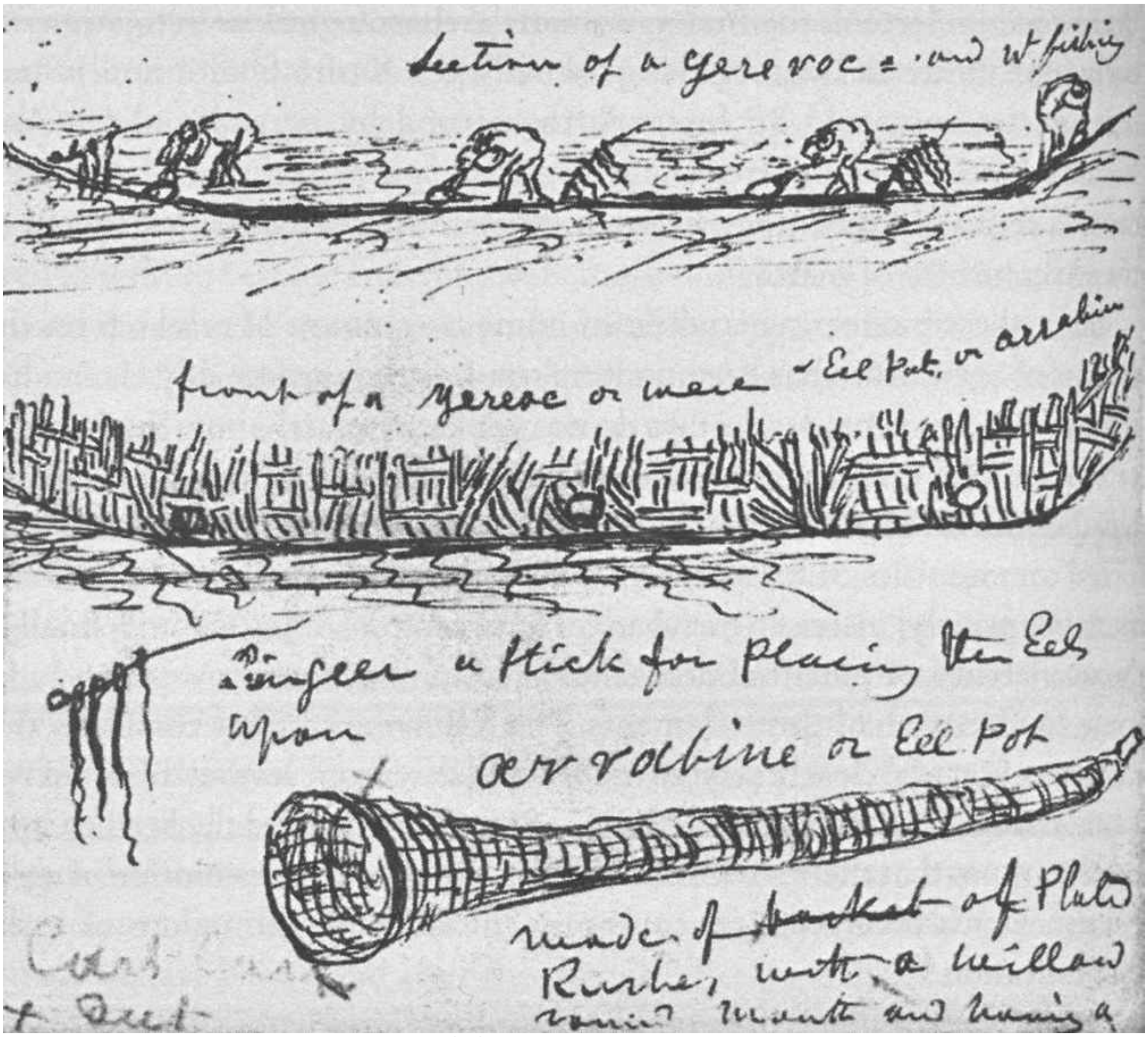
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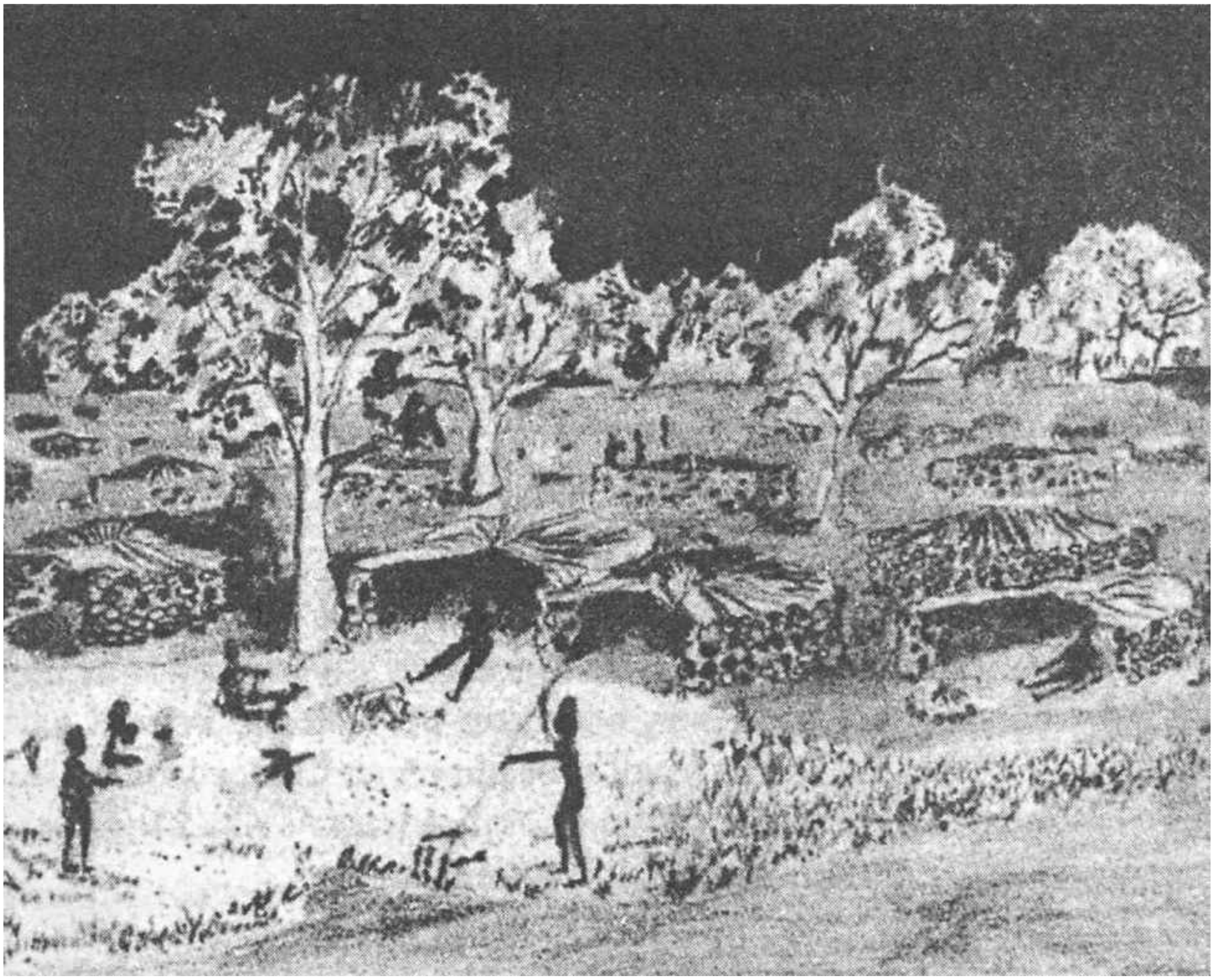
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[illegible]**8.3** [illegible]

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[illegible]15 000[illegible] [40]



[illegible]**8.4** [illegible]

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[illegible][42]

[illegible]100[illegible]3000[illegible]1500[illegible][43]

[illegible]18 000[illegible]15 000[illegible][44][illegible]14 000[illegible]2000[illegible]3000[illegible]·[illegible]Ain Malaha[illegible][45][illegible]150[illegible]

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[illegible]8[illegible]9[illegible]

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[illegible]·[illegible]Andrew Sherratt[illegible]“[illegible]”[illegible]20[illegible]60[illegible]·[illegible]Jane Jacobs[illegible][53][illegible]

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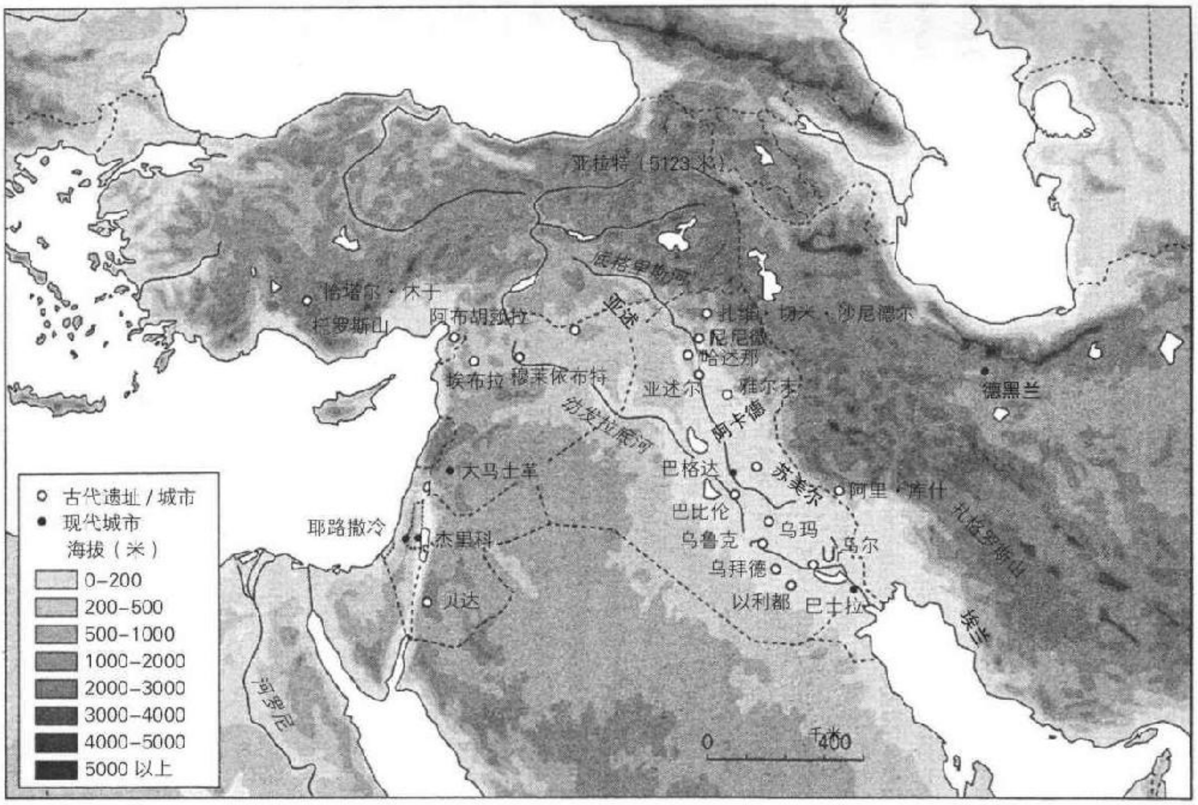
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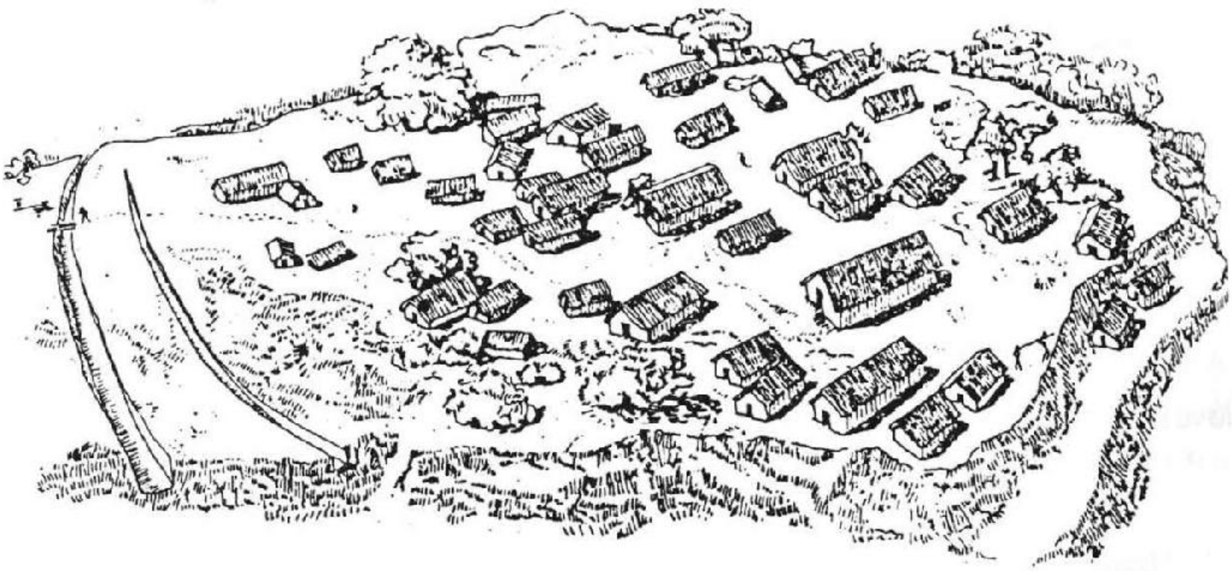
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[illegible]·[illegible]Elman Service[illegible]“[illegible]”[illegible]“[illegible]”[illegible]50[illegible]50[illegible][61][illegible]



[illegible]8.5 [illegible]

[illegible]Kolomiyshchina[illegible]·[illegible]Marija Gimbutas[illegible]·[illegible]Joan Marler[illegible]1991[illegible]106[illegible]

[illegible]

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[illegible]Tripoplye[illegible]·[illegible][62][illegible]

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[illegible]“[illegible]”[illegible]

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[illegible]·[illegible]1995[illegible]·[illegible]John Mears[illegible]2001[illegible]·[illegible]·[illegible]1984[illegible]·[illegible]1998[illegible]·[illegible]1989[illegible]·[illegible]Richard MacNeish[illegible]1992[illegible]·[illegible]Göran Burenhult[illegible]5[illegible]1993—1994[illegible]·[illegible]3[illegible]1990[illegible]·[illegible]1991[illegible]·[illegible]Margaret Ehrenberg[illegible]1989[illegible]·[illegible]1998[illegible]·[illegible]Clive Poting[illegible]I. G. [illegible]1996[illegible]·[illegible]1995[illegible]·[illegible]·[illegible]Johan Kamminga[illegible]1983[illegible]·[illegible]1983[illegible]

[1] [illegible]·R. [illegible]W. W. [illegible]2001[illegible]93[illegible]

[2] ·Colin Renfrew 1989 125 ·—— 26—27

[3] J. R. Biraben 4 1979 23

[4] · 2 1998 4

[5] · 2000 29 52

[6] ·Josephine Flood 1983 222—293

[7] ·John Kicza “ 1492 ” · 2001 190 813

[8] 236—237

[9] ·Ben Finney 5 2 1994 273—298 ·R. 5 2 1994 299—349 · 1995

[10] ·J. 3000 3 1990 208 · ·Merritt Ruhlen 1992 11 94

[11] · 1998

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[13] “ ” 159

[14] ·D. 1995 18

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[16] —— —— 12000 —— 10000 ·B. Charles B. Heiser 1990 37

[17] 67 72 85—86

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[19] ·Clive Poting 1992 44 43 248

[20] ·M. 10 · 2001 248

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[22] 59 181 197 150—151

[23] ·Mark Cohen 1977 1

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[25] [illegible]Schinziophyton rautanenii[illegible]——[illegible]

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[35] [illegible]231[illegible]

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[63] □□□□I. G. Simmons□□□□□□□□□□□□□□□□□□□□□□□2□□□□□□□□□□□1996□□□□94
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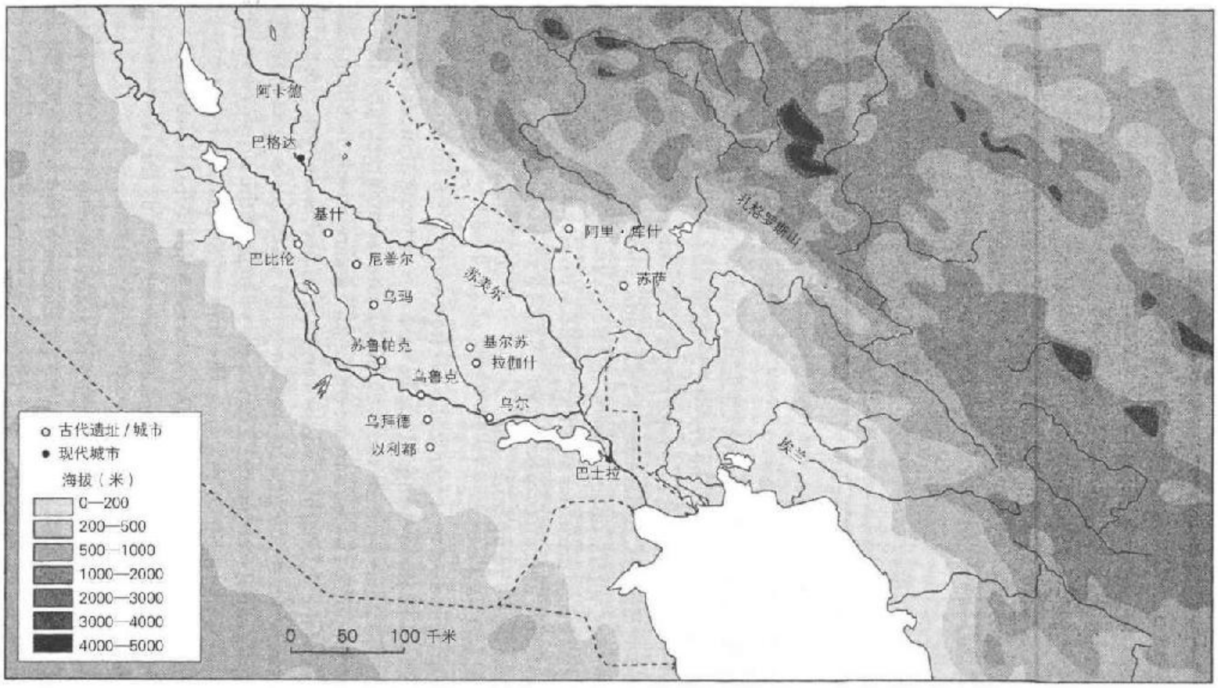
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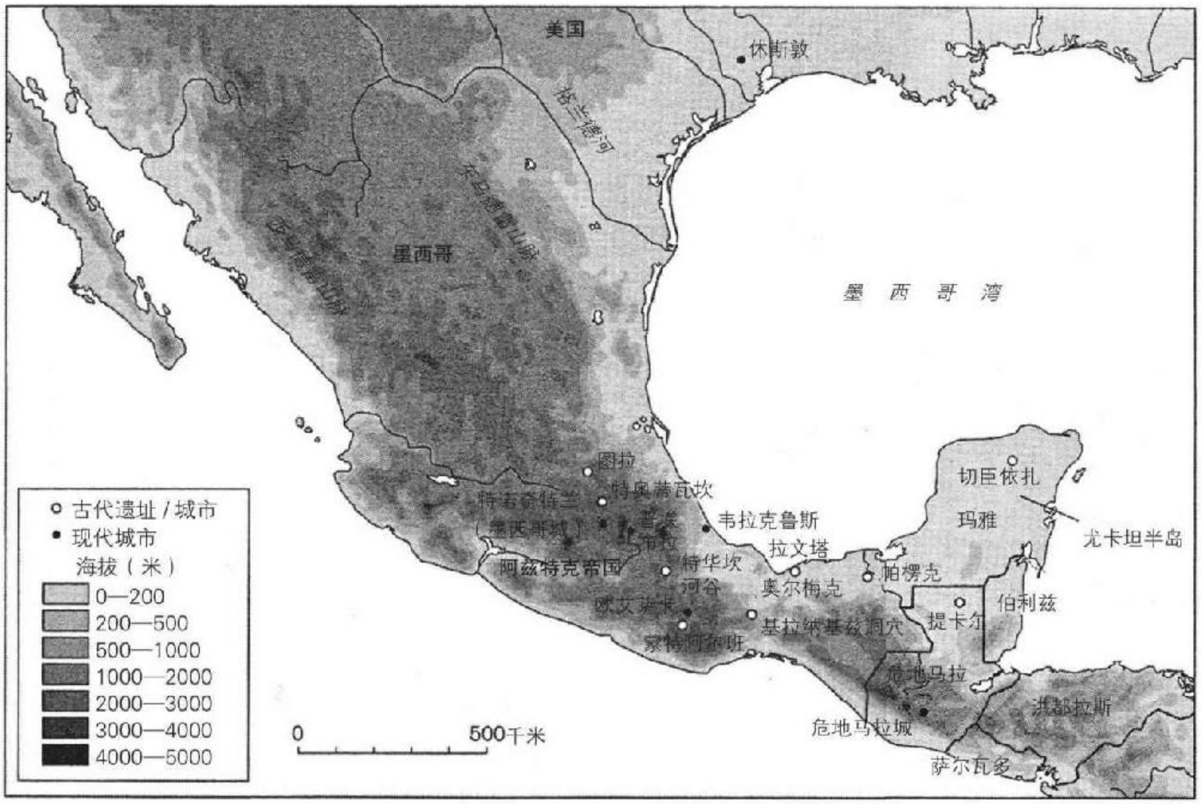
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巴格达
基什
巴比伦
尼普尔
乌玛
苏美尔
阿里·库什
苏萨
扎格罗斯山
苏鲁帕克
基尔苏
拉伽什
乌鲁克
乌尔
乌拜德
以利都
巴士拉
埃兰
古代遗址/城市
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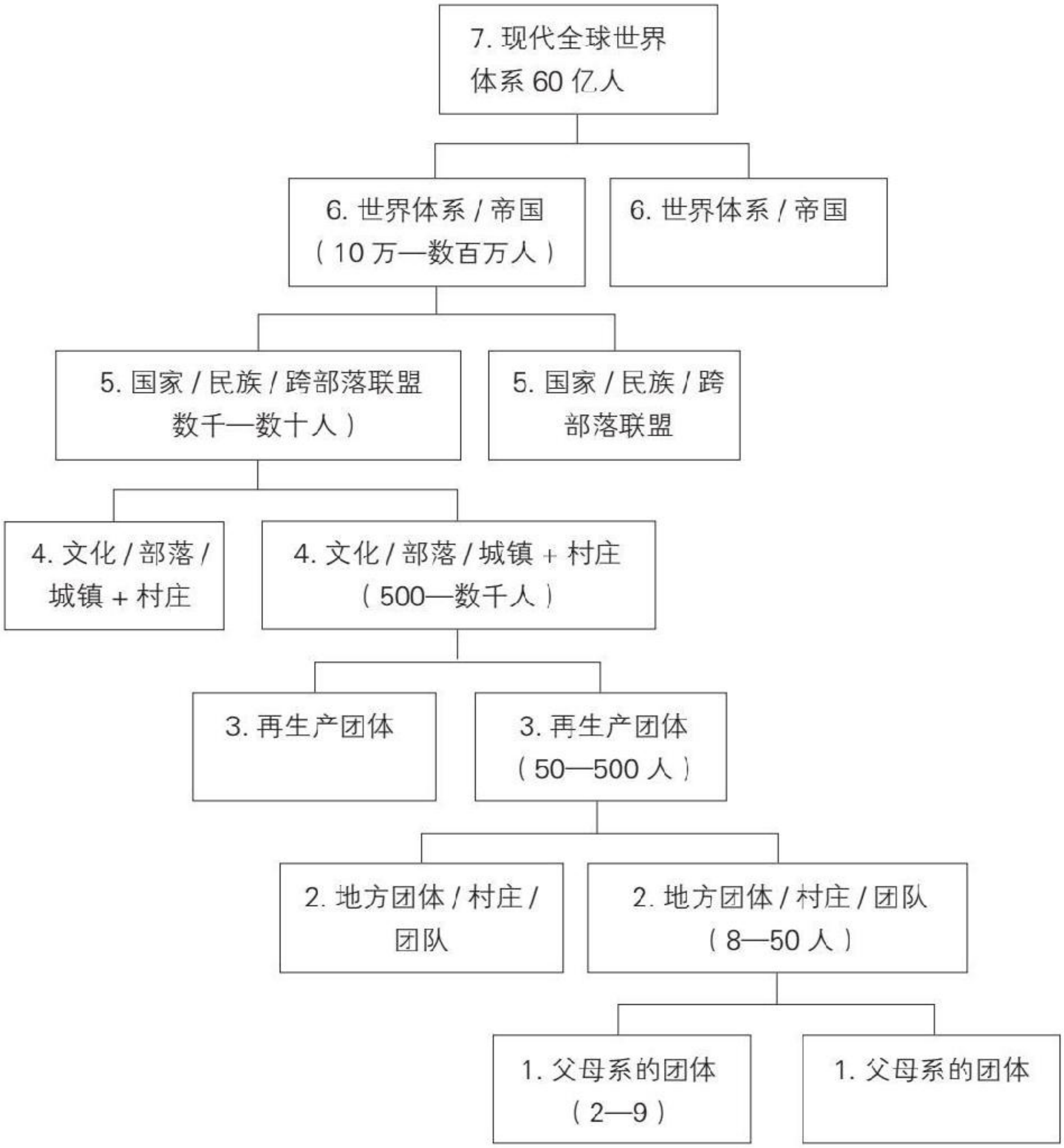


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层级	社会结构的类型与范围	规模
7	现代全球化体系：涵盖全部以影响力、财富和权力组成等级形态的社会	60亿
6	世界体系和帝国：涵盖文化上、经济上、有时政治上相互联系的大片地区	数十万到数百万
5	国家／民族／城市／跨氏族的组织：大型的、经济上和军事上强大的体系，数千－数十万以上具备国家的或者近似国家的结构	数千到数万
4	文化／部落／城镇和周边农村：相互联系的生产团体，有时有一个领袖，如“大人”或者“首领”	500—数千
3	再生产团体／村庄群：相关的地方组织，其成员经常通婚，在稀疏的亲属和文化上有共同的意识	50—500人
2	地方的或者独立的团体／村庄／团队／宿营团体：若干个父母系的团体，亲密地在一起生活、迁移	8—50人
1	父母系的团体：父母和孩子，经常与父亲在一起，共同居住	2—8人



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[illegible]congestion[illegible][4][illegible]

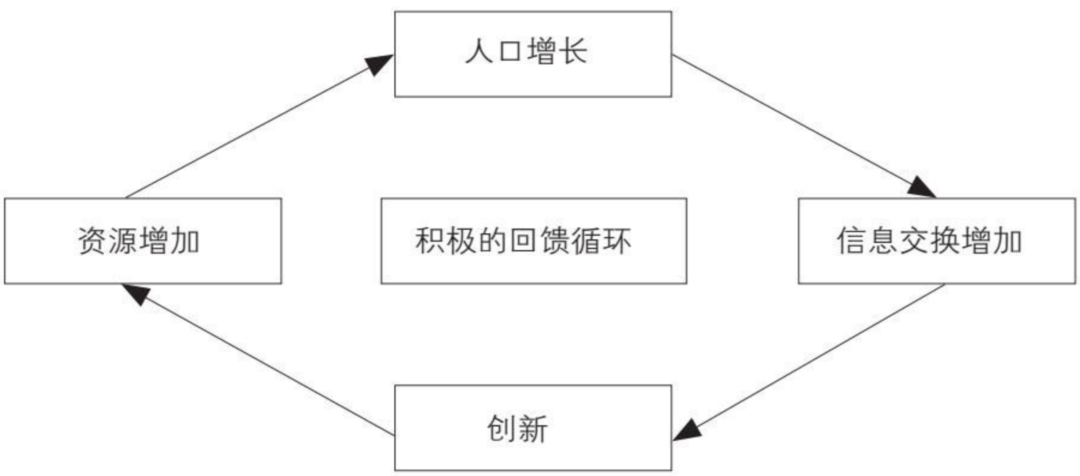
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	能量投入（千兆焦耳／公顷）	食物收获 千兆焦耳／公顷）	人口密度（千兆焦耳／公顷）
采集	0.001	0.003—0.006	0.01—0.9
游牧社会	0.01	0.03—0.05	0.8—2.7
轮作	0.04—1.5	10.0—25	1—60
传统农业	0.5—2	10—35	100—950
现代农业	5—60	29—100	800—2000

[illegible]I. G. [illegible]1993[illegible]37[illegible]

[illegible]

[illegible][9][illegible][10][illegible]20—50[illegible]20%[illegible]50[illegible]40[illegible]32—35%[illegible]4—6%[illegible][11]

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[illegible]·[illegible]5000——[illegible]3000[illegible][12][illegible]“[illegible]”[illegible]

[illegible]5000——[illegible]4000[illegible]—[illegible]——[illegible]——[illegible]500—700[illegible]75[illegible][13][illegible]

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[illegible]4000[illegible]1000[illegible]

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[illegible]“[illegible]”[illegible]big man[illegible]20[illegible]·[illegible]Bougainville[illegible]mumi[illegible]·[illegible]“[illegible]1939[illegible]1[illegible]10[illegible]1100[illegible]32[illegible]‘[illegible]’[illegible]” [25] [illegible]

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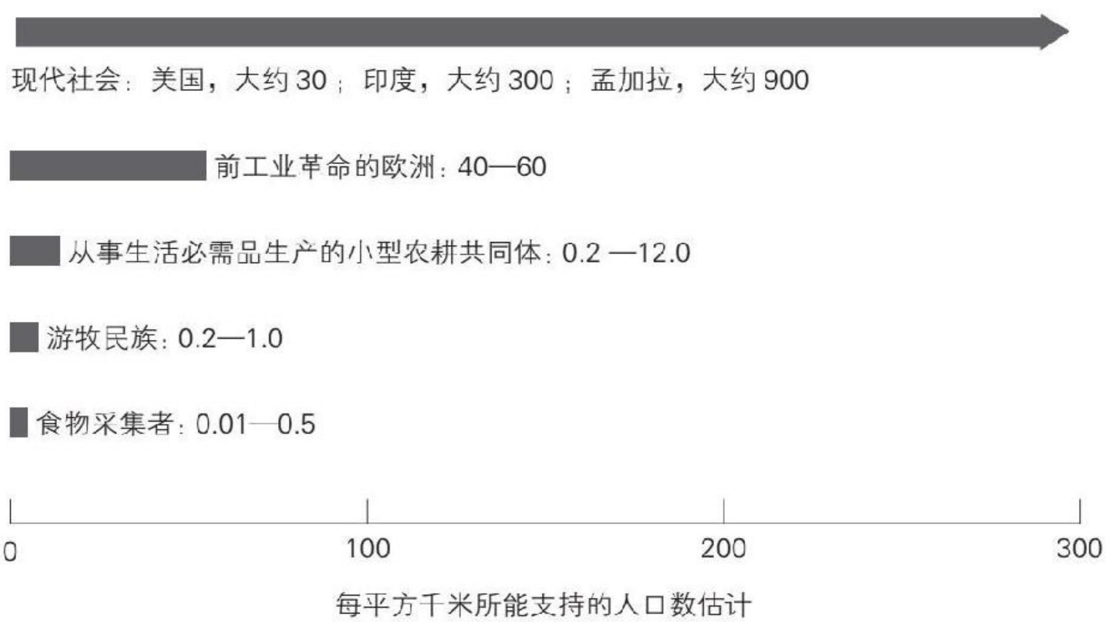
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[illegible]·[illegible]——[illegible]1992[illegible]27[illegible]·[illegible]Carl Ipsen[illegible]·W. [illegible]·[illegible]2000[illegible]125[illegible]

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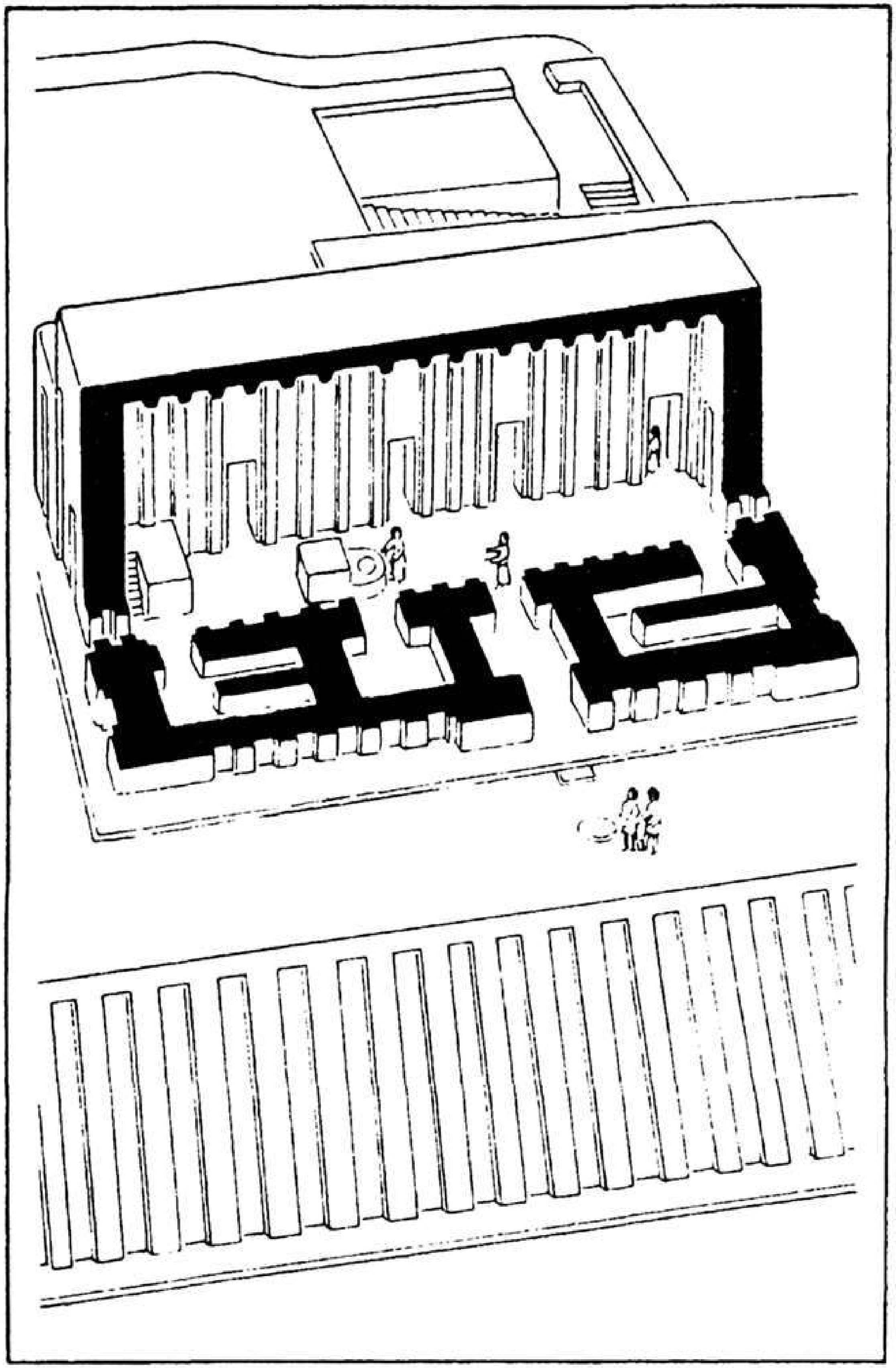
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[illegible]2900——[illegible]800[illegible]



[illegible]9.4 [illegible]“[illegible]”[illegible]

[illegible]A. [illegible]·[illegible]Bernard Knapp[illegible]1988[illegible]44[illegible]·[illegible]·[illegible]Helen and Richard Leacroft[illegible]1974[illegible]

[illegible]

[illegible]·[illegible][31][illegible]

[illegible]

[illegible]“[illegible]”[illegible]

[illegible][32][illegible][33]

[illegible]9. 1[illegible][34][illegible]“[illegible]”[illegible]

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> [illegible]“[illegible]”[illegible]Vervians[illegible]Drugovichians[illegible]Krivichians[illegible]Sverians[illegible][38]

[illegible]10[illegible]·[illegible]“[illegible]”[39]

· “ ”[40] [41]

· “ ‘ ’ ” [42] [43]

2000 [44] —— · Leonard Woolley —— [45]

3200

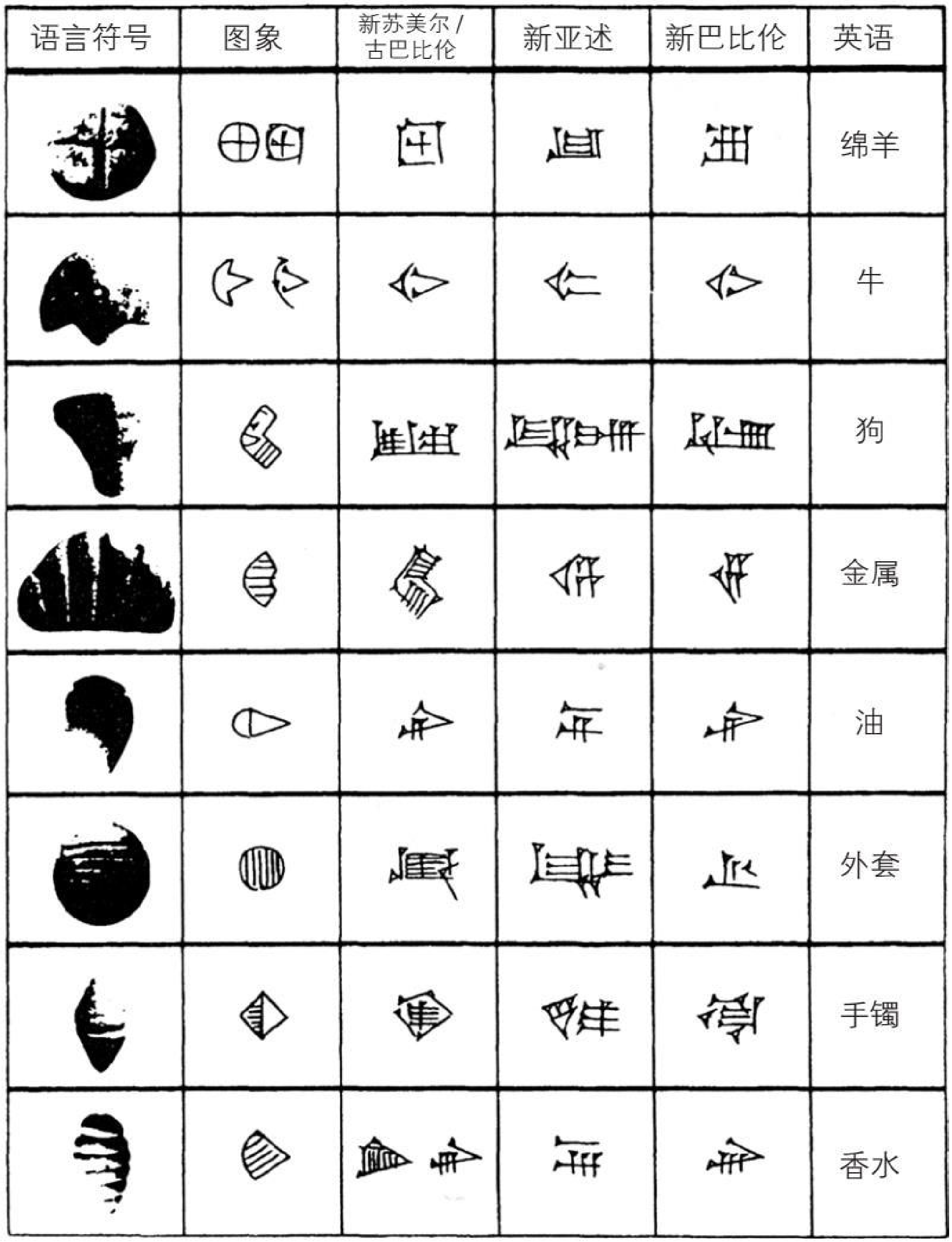
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[illegible] [46] [illegible] [47] [illegible]

[illegible]bullae[illegible]9.5[illegible]

[illegible]3000[illegible]“[illegible]”[illegible]ti[illegible]“[illegible]”[illegible]ti[illegible]“[illegible]”[illegible]

[illegible]3100[illegible]2500[illegible]1200[illegible]



□9.5 □□□□□□□□□□□□□□

□□□A.□□□·□□□Bernard Knapp□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1988□□□□55□□□□□□□□□□□□□□□□□□□□

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[illegible]9.3 [illegible]

技术／生活方式	生产方式	特征	流行时代
采集社会	亲属制度	旧石器时代的主要技术使用石制工具，以采集植物为其生活方式；规模小（其组织程度仅及第3层，*但是在某些区域性的文化和跨部落体系中有第4层的某些特征	旧石器时代：全世界距今大约10 000年；某些地区至今尚存
农业社会（早期农业社会）	亲属制度	农业时代的主要技术基于种植和畜牧；养活小规模的、前国家社会（达到第4层）；和……	农业时代：距今约10000早期农业时代：距今约5000年前，某些地区至今尚存
农业社会（农耕文明）	收取贡赋	大型社会，组织形式为城市和国家（达到第6层）；人口增速加快，但周期性发生人口危机；新石器时代典型的生活方式为游牧文化	后农业时代：距今大约5000—200年；某些地区出现甚晚
现代社会	资本主义	现代主要技术为现代科学；能够支持全球体系（第7层）；前所未有的人口增长	现代：始于大约公元1750年

* [illegible]9.1[illegible]9.1[illegible]

[illegible]—[illegible]

[illegible]2000[illegible]2500[illegible][51][illegible]

[illegible]La Venta and San Lorenzo[illegible]33[illegible]80[illegible]18 000[illegible][52][illegible]80[illegible][53][illegible]

[illegible]500[illegible]Oaxaca[illegible]1300[illegible]1000[illegible]600[illegible]Monte Alban[illegible]400[illegible]7[illegible]4000[illegible]200[illegible]12[illegible]200[illegible]——700[illegible]17 000[illegible][54]

[illegible]2000[illegible]——[illegible]

[illegible]

[illegible]“[illegible]

[illegible]”[illegible]

[illegible]

[illegible]·[illegible]1988[illegible]·[illegible]·[illegible]Göran Burenhult[illegible]3[illegible]4[illegible]1994[illegible]·[illegible]4[illegible]1994[illegible]·[illegible]3[illegible]1990[illegible]·[illegible]Charles Maisels[illegible]1990[illegible]·[illegible]1993[illegible]·[illegible]1971[illegible]2[illegible]·[illegible]Robert Cohen[illegible]·[illegible]1978[illegible]·[illegible]·[illegible]2000[illegible]2[illegible]·[illegible]1983[illegible]·[illegible]1989[illegible]·[illegible]Anatoly Khazanov[illegible]1994[illegible]2[illegible]·[illegible]1993[illegible]·[illegible]Peter Golden[illegible]2001[illegible]D. T. [illegible]1997[illegible]

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[1] [illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]2[illegible]——[illegible]7[illegible]

[2] [illegible]·[illegible]·[illegible]1978[illegible]102[illegible]

[3] [illegible]·W. [illegible]·[illegible]2000[illegible]32[illegible]36[illegible]·M. [illegible]10[illegible]·[illegible]2001[illegible]368—385[illegible]

[4] [illegible]“[illegible]”[illegible]2[illegible]

[5] [illegible]·[illegible]·[illegible]40[illegible]1987[illegible]130[illegible]

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[15] [illegible]·[illegible]1989[illegible]99[illegible]99—107[illegible]·[illegible]·[illegible]20 000[illegible]——[illegible]W. W. [illegible]1994[illegible]97—98[illegible]

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[18] [illegible]·J. [illegible]3000[illegible]3[illegible]1990[illegible]336[illegible]

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[23] [illegible]·[illegible]“[illegible]”[illegible]A[illegible]B[illegible]“[illegible]”[illegible]1[illegible]1760[illegible]1986[illegible]

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[26] [illegible]109[illegible]

[27] [illegible]·[illegible]·[illegible]Hans Jörg Nissen[illegible]1988[illegible]·[illegible]Elizabeth Lutzeier[illegible]·J. [illegible]Northcott[illegible]·[illegible]Susan Pollock[illegible]1999[illegible]D. T. [illegible]Potts[illegible]1997[illegible]

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[41] “[illegible]‘[illegible]’[illegible]”[illegible]——[illegible]58[illegible]

[42] [illegible]104[illegible]

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[44] [illegible]80[illegible]

[45] [illegible]83[illegible]84[illegible]

[46] [illegible]

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[illegible]——[illegible]——[illegible]·[illegible]——[illegible]Janet Abu-Lughod[illegible]13[illegible]——[illegible]·[illegible]·[illegible]Andre Gunder Frank[illegible]·[illegible]Barry Gills[illegible]"[illegible]"[illegible][10][illegible]·[illegible]——[illegible]Christopher Chase-Dunn[illegible]·D. [illegible]Thomas D. Hall[illegible][11]

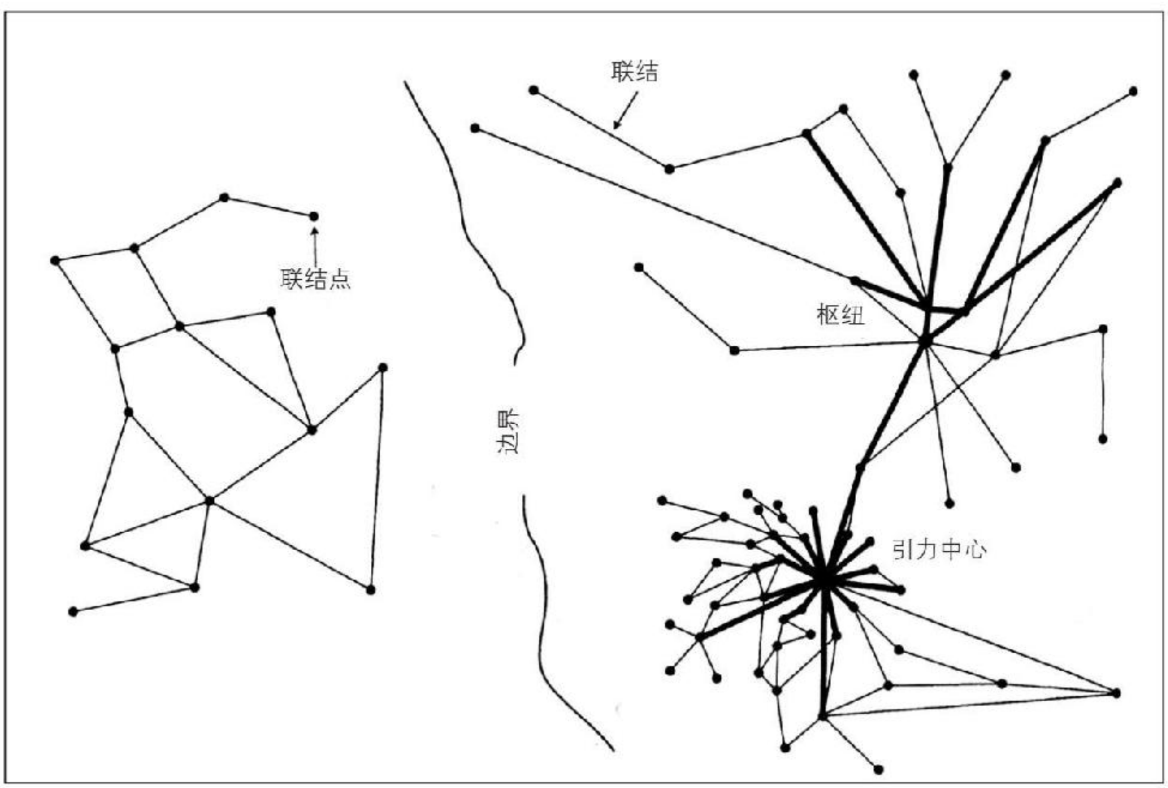
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平面的或层级化的　　　　　　　　复杂的或层级化的

[illegible]10.1 [illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[illegible]

[illegible]

[illegible]

[illegible]3000[illegible]4000[illegible]1000[illegible]1/5[illegible]—[illegible]10.1[illegible]

[illegible]4000[illegible]

[illegible]10.1 [illegible]

日期	事件
约公元前 3200 年	苏美尔最早的国家
约公元前 3000 年	埃及最早的国家
约公元前 2500 年	北印度／巴基斯坦最早的国家（公元前第二个千年消亡）
约公元前 2200 年	美索不达米亚最早的区域性国家／帝国
约公元前 2000 年	中国北方（黄河流域）最早的国家
约公元前 1000 年	北印度／恒河国家复兴
约公元前 500 年	东南亚最早的国家
约公元前 500 年	波斯的“第二帝国”
约公元前 500 年	美索不达米亚最早的国家
约公元前 500 年	美索不达米亚最早的区域国家／帝国
约公元 600 年	撒哈拉以南非洲最早的国家
约公元 1400 年	中美洲／南美洲最早的国家

[illegible]3000[illegible]2000[illegible]Yam[illegible]Kerma[illegible]2350[illegible]50[illegible] [13] [illegible]5400[illegible] [14] [illegible]ensis[illegible]

[illegible]2000[illegible]Agade[illegible]

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[illegible]334——[illegible]323[illegible]—[illegible]241[illegible]264——[illegible]146[illegible]4[illegible]

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Kush 712 —— 664

— —— — [21]

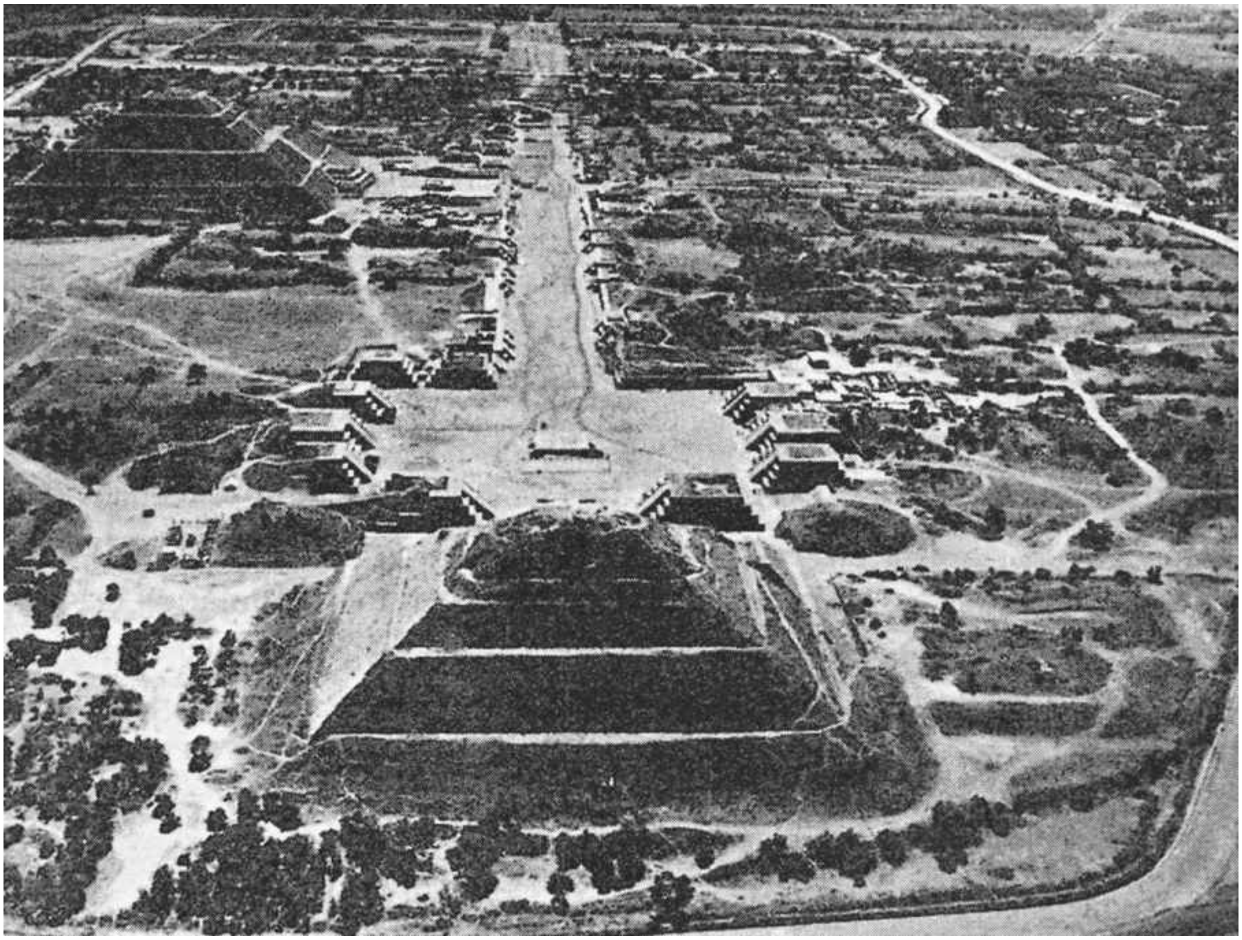
3 [22] 6 3 Tuareg 9 Wagadu 9 Kanem Sayf 100

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[illegible]10.3 [illegible]

[illegible]40[illegible]200—650[illegible]20[illegible]·M. [illegible]7[illegible]·[illegible]1992[illegible]574[illegible]·[illegible]René Millon[illegible]1[illegible]1973[illegible]·[illegible]

[illegible]15[illegible]Tenochtitlán[illegible]20[illegible]——30[illegible]Cortés[illegible]·[illegible]·[illegible]·[illegible]Bernal Díaz del Castillo[illegible]1519[illegible]

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[illegible]10.2 [illegible]—[illegible]

时代	日期	控制的地区以100万平方千米计	占今国家面积的百分比
后期农耕1	公元前第三个千年	0.15（均在西南亚）	0.2
	公元前第二个千年中叶至公元前第一个千年	1—2.5	0.75—2.0
后期农耕2	约公元前6世纪	8	6.0
	约公元前1世纪	16	
	公元1000年	16	
后期农耕3	约公元13世纪	33（主要为蒙古帝国）	25.0
	约公元17世纪	44（此时计入美洲）	33.0
现代	20世纪	大约130	100.0

[illegible]·[illegible]·K. [illegible]Stephen K. Sanderson[illegible]·[illegible]1995[illegible]79—82[illegible]·[illegible]7[illegible]1978[illegible]108—127[illegible]

[illegible]—[illegible]2%[illegible]1000[illegible]6%——13%[illegible]—[illegible]500[illegible]1000[illegible]1000[illegible]1500[illegible]20[illegible]2.2[illegible] [30]

[illegible]17[illegible]300[illegible]20[illegible]1/3[illegible]

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[illegible]

[illegible] — [illegible] — [illegible]

[illegible] 10.3 [illegible] 10.4 [illegible] — [illegible] 4000 [illegible]

[illegible]10.3 [illegible]

时代	近似日期	载人和货物的方式
旧石器时代	距今大约 70 万年前	最早的人亚科原人在非洲迁移
	距今大约 10 万年前	现代人出现在欧亚大陆；最早的现代人迁移出非洲
	距今大约公元前 6 万年前	最早渡海移居澳大拉西亚；最早的海船
农耕时代	大约公元前 4000 年前	畜力运输工具
	大约公元前 3500 年前	轮式运输工具
	大约公元前 1500 年前	波利尼西亚长途海运
近代	公元第一个千年	造船航海技术改进
	大约 19 世纪早期	火车和轮船
	大约 19 世纪晚期	内燃机
	大约 20 世纪早期	空中旅行
	大约 20 世纪中期	太空旅行

□10.4 □□□□□□□□□□

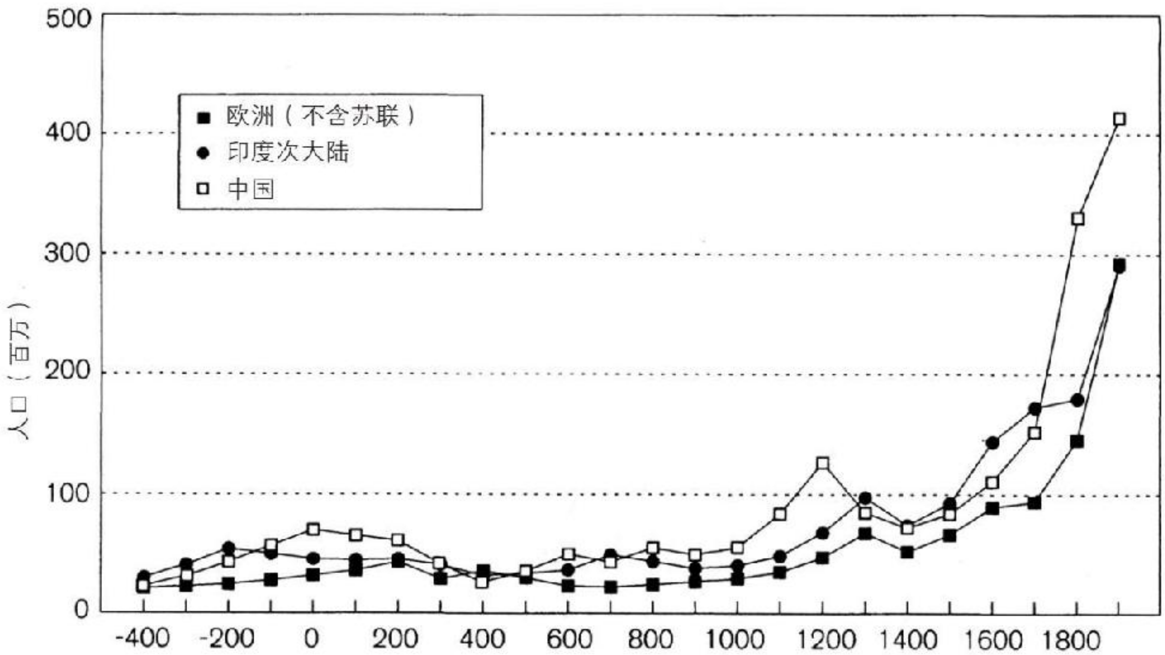
时代	近似日期	信息运动方式
旧石器时代	旧石器时代，人类历史的开端	现代语言形式；不同群体之间分享信息
	旧石器时代晚期	洞穴画
	旧石器时代晚期以来？	用鼓、灯塔、烟等信号进行远距离交流
农耕时代	大约公元前 3000 年	作为固定信息的文字
	大约公元前 2000 年	字母文字
	农耕文明时代	政府资助的或军事的通信系统
	大约公元 8 世纪以来	木版印刷
近代	大约公元 16 世纪	全球世界体系；世界交通和运输体系
	大约 18 和 19 世纪	印刷用于大众交流：报纸、邮政服务
	19 世纪 30 年代	电报
	19 世纪 80 年代后期	电话
	20 世纪	电子化大众媒体：无线电、电影、电视
	20 世纪晚期	因特网、即时全球信息交流

[illegible]—[illegible]—[illegible]

[illegible]——[illegible]

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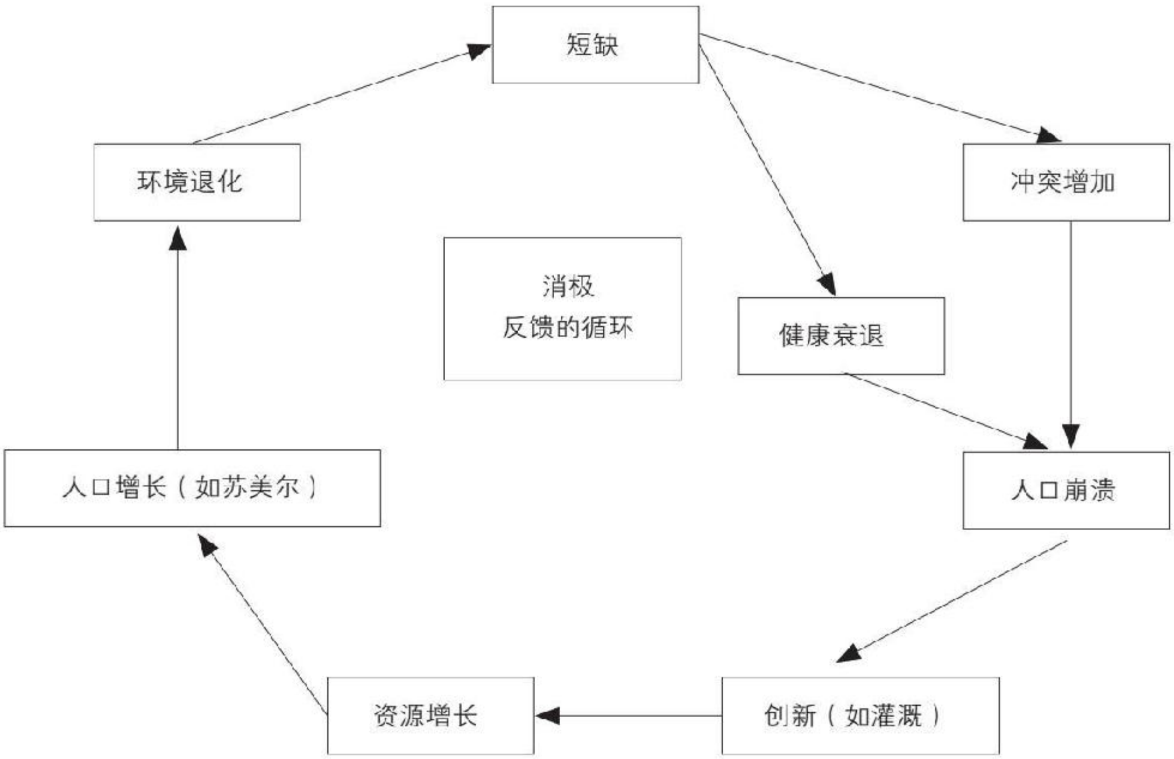
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[illegible]10.4 [illegible]400——[illegible]1900[illegible] J. R. [illegible]34[illegible]1997[illegible]16[illegible]

[illegible]·[illegible]10.4[illegible]J. R. [illegible]400——[illegible]1900[illegible][34] [illegible]——[illegible]

[illegible] 10.5 [illegible]



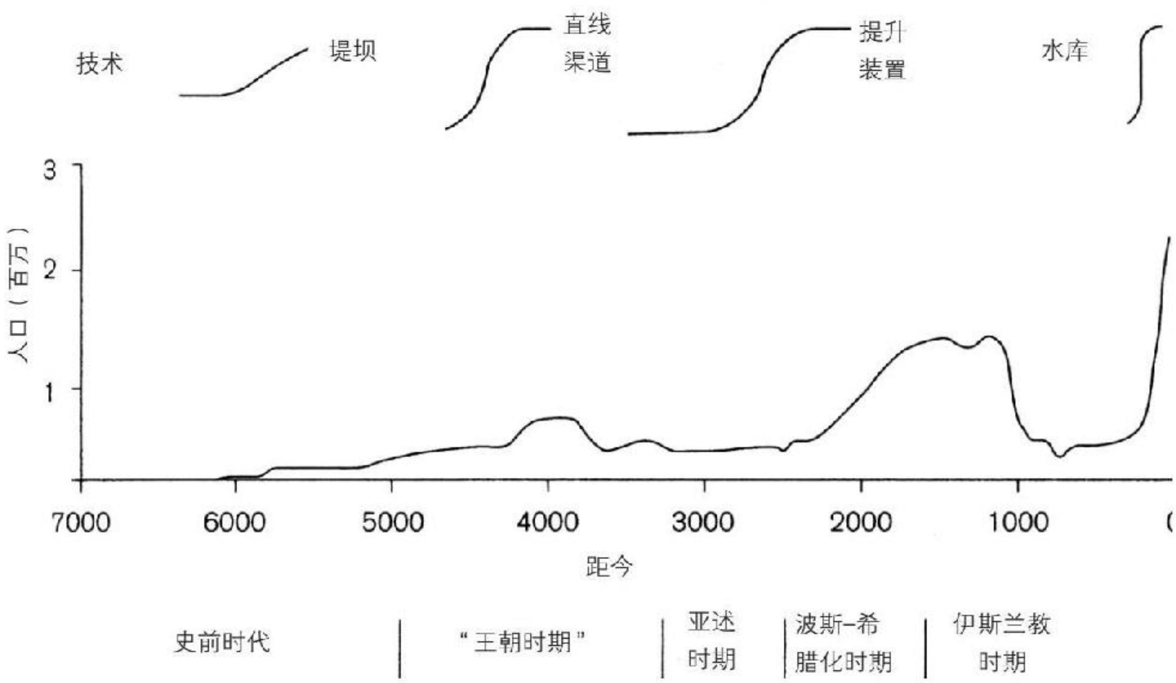
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[illegible] · [illegible] 18 [illegible] 5 [illegible] —— [illegible]

[illegible]

[illegible]1900[illegible]63[illegible]1600[illegible]27[illegible]1000[illegible][35][illegible]10.6[illegible]18[illegible]10.1[illegible]·D. [illegible]

[illegible][36]



[illegible]10.6 [illegible]

[illegible]·[illegible]2[illegible]1998[illegible]175[illegible]M.J.L.[illegible]Wigley[illegible]/M. J.[illegible]Ingram[illegible]G·[illegible]Farmer[illegible]1998[illegible]479—513[illegible]

[illegible]·[illegible]“[illegible]”[illegible][37][illegible]

[illegible]
——[illegible]·[illegible][38][illegible]6.3[illegible]1000——[illegible]1[illegible]3000——[illegible]1000[illegible]1630[illegible]1580[illegible]1000[illegible]——[illegible]1[illegible]945[illegible]—[illegible]

[illegible]·[illegible]“[illegible]”[illegible]

[illegible][39]

[illegible]

[illegible]1000[illegible]“[illegible]”[40]


北美洲
洛基山脉
霍普韦尔
印第安人
大西洋
阿兹特克帝国
墨西哥城
奥尔梅克
玛雅
亚马孙
盆地
太平洋
印加
利马
南美洲
安第斯山脉

[illegible]10.1 [illegible]

[illegible]

[illegible]——[illegible]320—535[illegible]“[illegible]……[illegible]”[41][illegible]

[illegible]2[illegible]220[illegible]618[illegible][42][illegible]14[illegible]

[illegible]

[illegible]

[illegible][43][illegible]

[illegible]·[illegible][44][illegible]10.5[illegible]

[illegible]10.5 [illegible]

时　代	日　期	国家或者帝国	控制地域面积（100 万平方千米）
农业时代晚期 1	公元前第三个千年晚期	阿卡德的萨尔贡，美索不达米亚南部	0.6
	公元前第三个千年晚期	埃及	0.4
	公元前第二个千年晚期	埃及图特摩斯三世（公元前 1490—1463）	1.0
	公元前第二个千年晚期	中国商朝	1.0
农业时代晚期 2	公元前第一个千年中期	伊朗阿黑门尼德王朝（及其继承者）	5.5
	公元前第一个千年后期	印度孔雀王朝	3.0
	公元前第一个千年后期	中国汉朝	6.0
	公元第一个千年早期	地中海罗马帝国	4.0
	公元第一个千年中期	早期伊斯兰帝国	10.0
	公元第一千年后期	内陆欧亚大陆第一突厥帝国	7.5
农业时代晚期 3	公元第二千年中—早期	内陆欧亚大陆蒙古帝国	25.0
近代	大约公元 1500 年	美洲印加和阿兹特克帝国	2.2

[illegible]·[illegible]7[illegible]1978[illegible]108—127[illegible]

[illegible]3000——[illegible]600[illegible]1[illegible]1[illegible]100[illegible]0.6[illegible]0.4[illegible]1[illegible]13[illegible]12[illegible]

[illegible]5.5[illegible]200[illegible]

[illegible] 3 [illegible] 3 [illegible] 16 [illegible] 1 [illegible] 6 [illegible] 1 [illegible] 4 [illegible] 7 [illegible] 8 [illegible] 10 [illegible] — [illegible]

[illegible] 13 [illegible] 25 [illegible] 17 [illegible] 25 [illegible] 5—10 [illegible]

[illegible] 2000 [illegible] 1500 [illegible] 2 [illegible] 0.22 [illegible] [45]

[illegible] [46] [illegible] —— [illegible] Naram-Sin [illegible] 2250 —— [illegible] 2220 [illegible]

[illegible] — [illegible] · [illegible] 1949 [illegible] “[illegible]” [illegible] [47] [illegible] — [illegible]

[illegible]17[illegible]“[illegible]”[48] [illegible]

[illegible]

[illegible]“[illegible]100[illegible]1800[illegible]”[49] [illegible]1000[illegible]

[illegible]

[illegible] [50] [illegible] ·[illegible]Moses Finley[illegible]“[illegible]” [51] [illegible]“[illegible]”[illegible]

[illegible]

[illegible] [52] [illegible]

[illegible]……[illegible]

[illegible]

[illegible] [53]

[illegible]·[illegible]Nizam al-Mulk[illegible]“[illegible]”[illegible]12[illegible]“[illegible]‘[illegible]’[illegible]‘[illegible]’[illegible]……[illegible]”[54]

[illegible]——[illegible]221——[illegible]207[illegible]——[illegible]

[illegible][55] [illegible]

[illegible]·[illegible][56] [illegible]

[illegible] [illegible]

[illegible]

[illegible]synergy[illegible][57][illegible]

[illegible]——[illegible]——[illegible]

[illegible]10.6[illegible][58][illegible]8[illegible]3[illegible]24[illegible]1200[illegible]16[illegible]50[illegible]650[illegible]20[illegible]100[illegible]430[illegible]50[illegible]100[illegible]70[illegible]290[illegible]520[illegible]1000[illegible]

[illegible]10.6 [illegible]—[illegible]

时期	城市数量	最大城市规模	最大城市总人口
公元前 2250 年	8	约 30 000	240 000
公元前 1600 年	13	24 000—100 000	459 000
公元前 1200 年	16	24 000—50 000	499 000
公元前 650 年	20	30 000—120 000	894 000
公元前 430 年	51	30 000—200 000	2 877 000
公元 100 年	75	30 000—450 000	5 181 000
公元 500 年	47	40 000—400 000	3 892 000
公元 800 年	56	40 000—700 000	5 237 000
公元 1000 年	70	40 000—450 000	5 629 000
公元 1300 年	75	40 000—432 000	6 224 000
公元 1500	75	45 000—672 000	7 454 000

[illegible]·K. [illegible]1995[illegible]267[illegible]·[illegible]Tertius Chandler[illegible]4000[illegible]1987[illegible]460—478[illegible]

[illegible][59][illegible]·[illegible]“[illegible]”[60][illegible][61]

[illegible][62][illegible]

[illegible]Elba[illegible]Mari[illegible] [63]

[illegible]1974[illegible]Kanesh[illegible]Kül Tepe[illegible] [64] [illegible]

[illegible]1400[illegible]814[illegible]

[illegible]—[illegible]1000[illegible] [65] [illegible]7[illegible]4[illegible] [66] [illegible]2[illegible]—[illegible]

[illegible]——[illegible]——[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible] [67] [illegible]

[68]

·

[69]

[70]

20

[illegible]—[illegible]4000[illegible]——[illegible]——[illegible]——[illegible]——[illegible]

[illegible]

[illegible]5000[illegible]——[illegible]——[illegible]——[illegible]

[illegible]

[illegible]·[illegible]·K. [illegible]·[illegible]·[illegible]·[illegible]·[illegible]——[illegible]·[illegible]3000[illegible]1500[illegible]·[illegible]Jerry Bently[illegible]·[illegible]Herbert Ziegler[illegible]2003[illegible]·[illegible]Richard Bulliet[illegible]1997[illegible]·[illegible]Howard Spodek[illegible]2[illegible]2001[illegible]·[illegible]1963[illegible]·[illegible]Göran Burenhult[illegible]3[illegible]4[illegible]1994[illegible]·[illegible]1986[illegible]·[illegible]4000[illegible]1987[illegible]·[illegible]1995[illegible]2[illegible]——[illegible]1985[illegible]·[illegible]

[1] [illegible]·[illegible]2000[illegible]108[illegible]

[2] [illegible]·[illegible]Colin Renfrew[illegible]1989[illegible]J. P. [illegible]Mallory[illegible]1989[illegible]“[illegible]”[illegible]·[illegible]Jan Vasina[illegible]“[illegible]”[illegible]36[illegible]2[illegible]1995[illegible]137—195[illegible]·[illegible]Heike Schmidt[illegible]

[3] [illegible]·[illegible]1998[illegible]2[illegible]8[illegible]·[illegible]Ben Finney[illegible]5[illegible]2[illegible]1994[illegible]273—298[illegible]·R. [illegible]5[illegible]2[illegible]1994[illegible]·[illegible]N. S. W. [illegible]1995[illegible]164—165[illegible]

[4] [illegible]2[illegible]

[5] [illegible]·[illegible]11[illegible]1[illegible]2000[illegible]1—26[illegible]

[6] [illegible]·[illegible]“[illegible]”[illegible]2[illegible]1995[illegible]159[illegible]

[7] [illegible]·R. [illegible]3[illegible]

[8] [illegible]·[illegible]·[illegible]Het Spinius[illegible]1998[illegible]7—8[illegible]29—53[illegible]

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[10] [illegible]·[illegible]——[illegible]1250—1350[illegible]1989[illegible]·[illegible]·[illegible]·K. [illegible]500[illegible]5000[illegible]1992[illegible]

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[13] [illegible]·[illegible]·[illegible]1988[illegible]167—168[illegible]

[14] [illegible]·L. [illegible]Charles L. Redman[illegible]·[illegible]3[illegible]1994[illegible]32[illegible]

[15] [illegible]S. N. [illegible]Kramer[illegible]·B. [illegible]Pritchard[illegible]3[illegible]1969[illegible]647—648[illegible]A. [illegible]·[illegible]87[illegible]

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[29] [illegible]515[illegible]

[30] [illegible]·R. [illegible]William R. Thompson[illegible]10[illegible]1[illegible]1999[illegible]172[illegible]·[illegible]41[illegible]1997[illegible]475—504[illegible]

[31] [illegible]·[illegible]950—1350[illegible]·[illegible]——[illegible]1971[illegible]1[illegible]

[32] [illegible]·[illegible]·[illegible]John Day[illegible]1974[illegible]4[illegible]

[33] E. A. [illegible]Wrigley[illegible]1969[illegible]55—57[illegible]

[34] [illegible]·M. [illegible]Thomas M. Whitmore[illegible]300[illegible]B. L. [illegible]Turner II[illegible]1990[illegible]37[illegible]“[illegible]”

[35] I. G . [illegible]1993[illegible]13[illegible]

[36] [illegible]·D. [illegible]1996[illegible]128[illegible]

[37] E. L. [illegible]2[illegible]1987[illegible]3[illegible]

[38] [illegible]11[illegible]212—214[illegible]

[39] [illegible]·[illegible]1977[illegible]102[illegible]

[40] [illegible]·[illegible]1996[illegible]7[illegible]500[illegible]——[illegible]1200[illegible]·F. [illegible]Kiple[illegible]1993[illegible]

[41] [illegible]·[illegible]111[illegible]

[42] [illegible]·[illegible]116—129[illegible]

[43] [illegible]·F. [illegible]3[illegible]

[44] [illegible]·J. M. [illegible]Henry J. M. Chaessen[illegible]·[illegible]Peter Skalnik[illegible]1978[illegible]·[illegible]·K. [illegible]Stephen K. Sanderson[illegible]·[illegible]1995[illegible]”[illegible]80—81[illegible]·[illegible]7[illegible]1978[illegible]108—127[illegible]

[45] [illegible]172[illegible]

[46] [illegible]·G. [illegible]1993[illegible]4[illegible]

[47] [illegible]·[illegible]·[illegible]Michael Bullock[illegible]1953[illegible]1[illegible]

[48] [illegible]1[illegible]36[illegible]

[49] [illegible]·[illegible]1990[illegible]20[illegible]

[50] [illegible]“[illegible]‘[illegible]’[illegible]……[illegible]”[illegible]3[illegible]·[illegible]David Fernbach[illegible]1981[illegible]926[illegible]25[illegible]1974[illegible]890—891[illegible]——[illegible]

[51] [illegible]·[illegible]25[illegible]1[illegible]1978[illegible]1[illegible]G. D. [illegible]1996[illegible]10[illegible]“[illegible]”[illegible]

[52] [illegible]M. I. [illegible]1973[illegible]

[53] [illegible]·[illegible]·[illegible]1961[illegible]87[illegible]88[illegible]

[54] [illegible]·[illegible]·[illegible]Hubert Darke[illegible]2[illegible]1978[illegible]131—132[illegible]C. [illegible]·[illegible]C.Warren Hollister[illegible]5[illegible]1982[illegible]163[illegible]

[55] [illegible]1997[illegible]129[illegible]134[illegible]

[56] [illegible]175[illegible]

[57] [illegible]·[illegible]

[58] [illegible]·K. [illegible]Stephen K. Sanderson[illegible]267[illegible]

[59] [illegible]·[illegible]·[illegible]“[illegible]”[illegible]——[illegible]2[illegible]1993[illegible]123—124[illegible]

[60] [illegible]·[illegible]1000[illegible]1982[illegible]5[illegible]

[61] [illegible]·M. [illegible]Stanley M. Burstein[illegible]1982[illegible]5[illegible]

[62] [illegible]·[illegible]·[illegible]Mariá Eugenia Aubert[illegible]·[illegible]Mary Turton[illegible]85—87[illegible]Snooks[illegible]345[illegible]

[63] [illegible]·[illegible]22—23[illegible]1800[illegible]

[64] [illegible]141—143[illegible]

[65] [illegible]95[illegible]142[illegible]·[illegible]Valeri Hansen[illegible]W. W. [illegible]2000[illegible]92[illegible]

[66] [illegible]

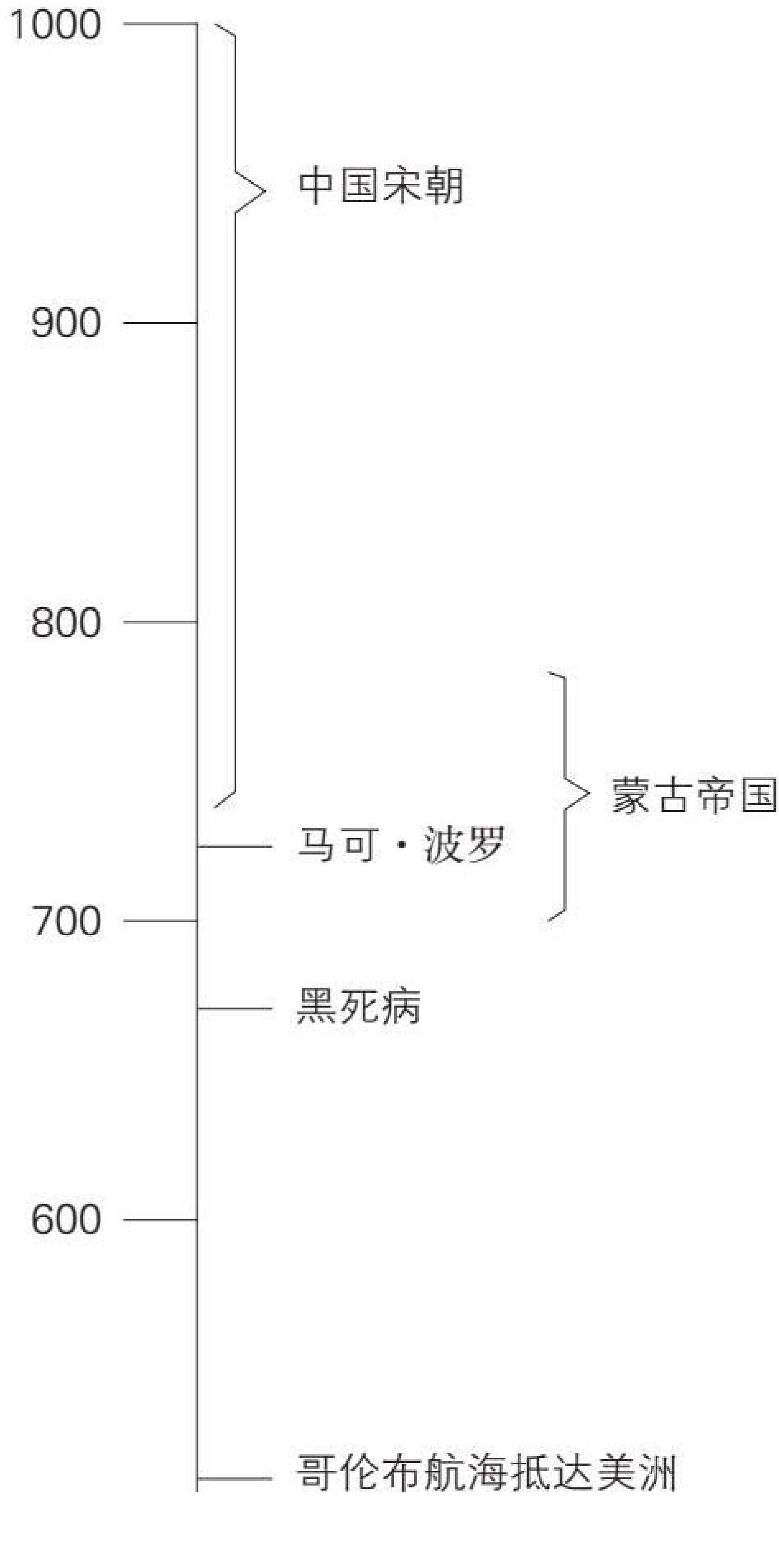
[67] [illegible]26[illegible]

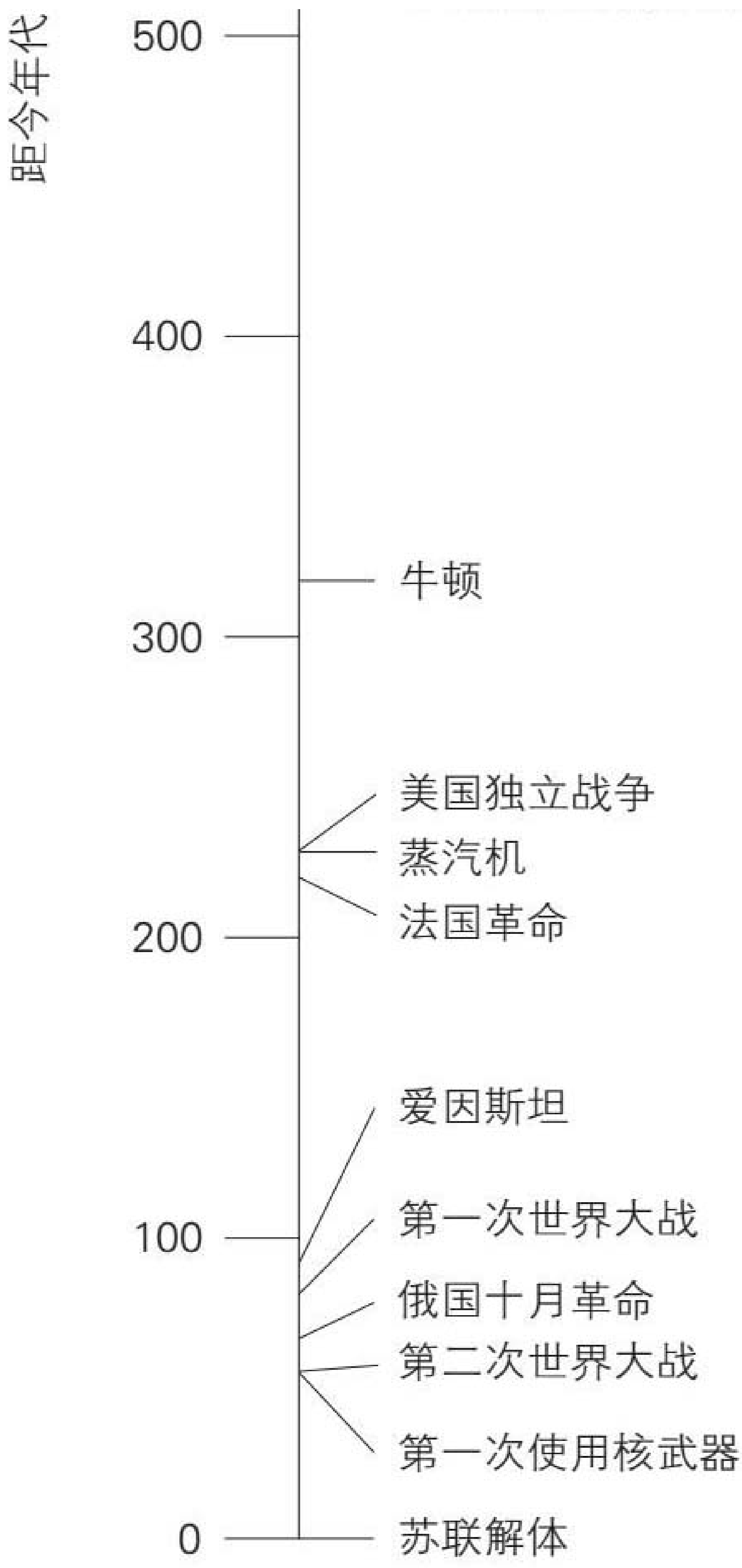
[68] [illegible]45—46[illegible]

[69] [illegible]——[illegible]40—41[illegible]79—81[illegible]

[70] [illegible]·[illegible]“[illegible]”[illegible]70[illegible]

[illegible]5[illegible]
[illegible]


1000
中国宋朝
900
800
蒙古帝国
马可・波罗
700
黑死病
600
哥伦布航海抵达美洲



距今年代
500
400
牛顿
300
美国独立战争
蒸汽机
法国革命
200
爱因斯坦
第一次世界大战
100
俄国十月革命
第二次世界大战
第一次使用核武器
0
苏联解体

11.1

[illegible]11[illegible]
[illegible]

[illegible]1000[illegible]300[illegible]·[illegible]“[illegible]300[illegible]……[illegible]”[1] [illegible][2]

[illegible]——“[illegible]”[illegible]

[illegible]

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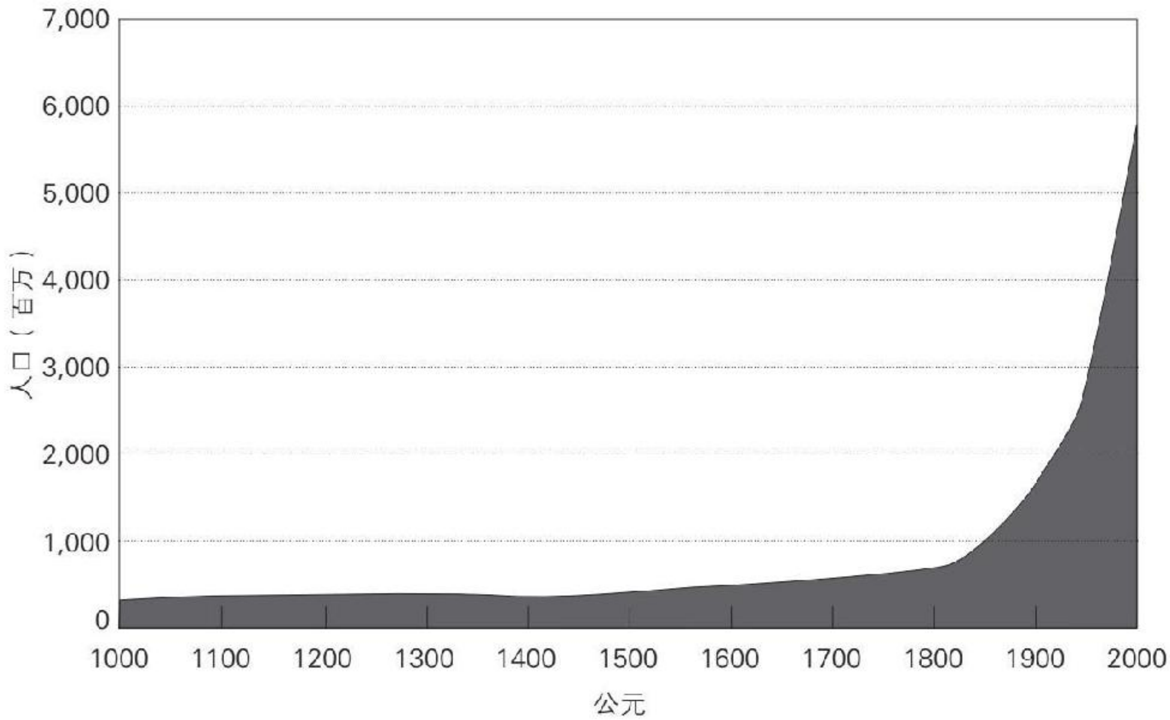
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年份	地区（百万）												总计
	中国	印度次大陆	西南亚	日本	亚洲其他地区	欧洲	苏联	北非	撒哈拉以南非洲	北美	中南美洲	大洋洲	
公元前 400 年	19	30	42	1	3	19	13	10	7	1	7	1	153
公元前 300 年	30	42	47	1	3	22	13	12	8	1	7	1	187
公元前 200 年	40	55	52	1	4	25	14	14	9	2	8	1	225
公元前 100 年	55	50	50	1	4	28	13	14	10	2	9	1	237
公元元年	70	46	47	2	5	31	12	14	12	2	10	1	252
公元 100 年	65	45	46	2	5	37	12	15	13	2	9	1	252
公元 200 年	60	45	46	2	5	44	13	16	14	2	9	1	257
公元 300 年	42	40	45	3	6	30	13	14	16	2	10	1	222
公元 400 年	25	32	45	4	7	36	12	13	18	2	11	1	206
公元 500 年	32	33	41	5	8	30	11	11	20	2	13	1	207
公元 600 年	49	37	32	5	11	22	11	7	17	2	14	1	208
公元 700 年	44	50	25	4	12	22	10	6	15	2	15	1	206

年份	地区（百万）												总计
	中国	印度次大陆	西南亚	日本	亚洲其他地区	欧洲	苏联	北非	撒哈拉以南非洲	北美	中南美洲	大洋洲	
公元 800 年	56	43	29	4	14	25	10	9	16	2	15	1	224
公元 900 年	48	38	33	4	16	28	11	8	20	2	13	1	222
公元 1000 年	56	40	33	4	19	30	13	9	30	2	16	1	253
公元 1100 年	83	48	28	5	24	35	15	8	30	2	19	2	299
公元 1200 年	124	69	27	7	31	49	17	8	40	3	23	2	400
公元 1300 年	83	100	21	10	29	70	16	8	60	3	29	2	431
公元 1400 年	70	74	19	9	29	52	13	8	60	3	36	2	375
公元 1500 年	84	95	23	10	33	67	17	9	78	3	39	3	461
公元 1600 年	110	145	30	11	42	89	22	9	104	3	10	3	578
公元 1700 年	150	175	30	25	53	95	30	10	97	2	10	3	680
公元 1800 年	330	180	28	25	68	146	49	10	92	5	19	2	954
公元 1900 年	415	290	38	45	115	295	127	43	95	90	75	6	1 634
公元 2000 年	1 262	1 327	181	127	680	514	290	151	659	313	516	30	6 057

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1884

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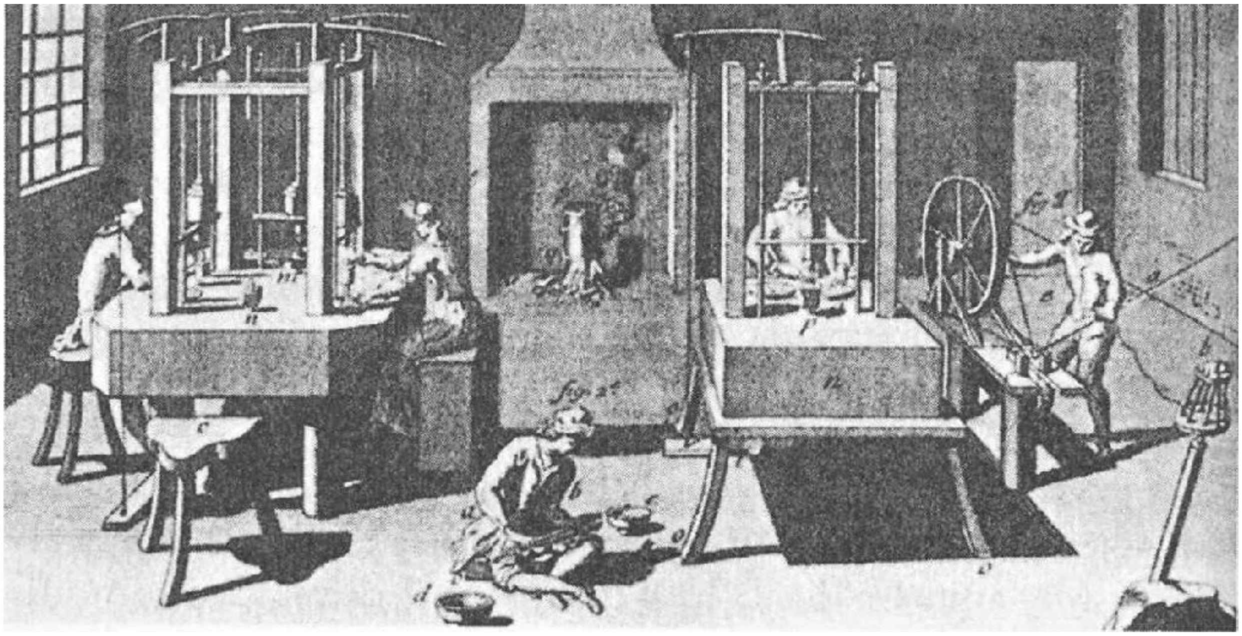
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11.2 18

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18 19 · · 1750 1800 1800 [43]

19 ·

1800[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible] [44]

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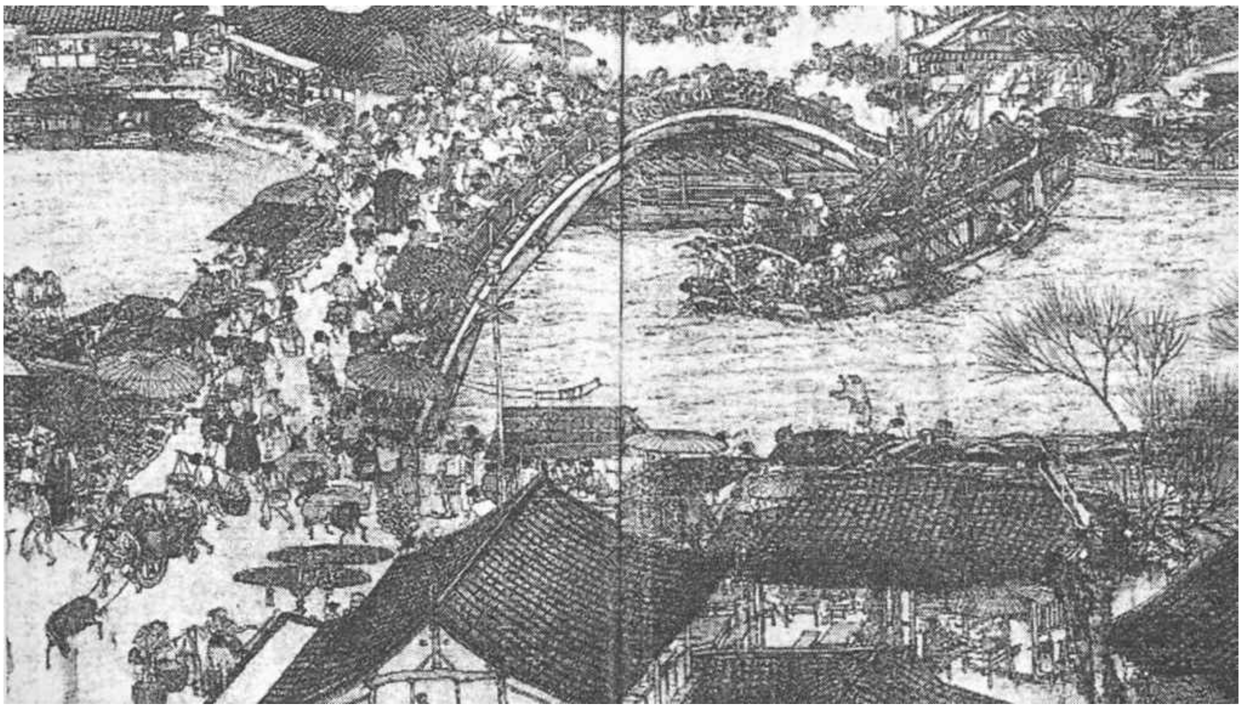
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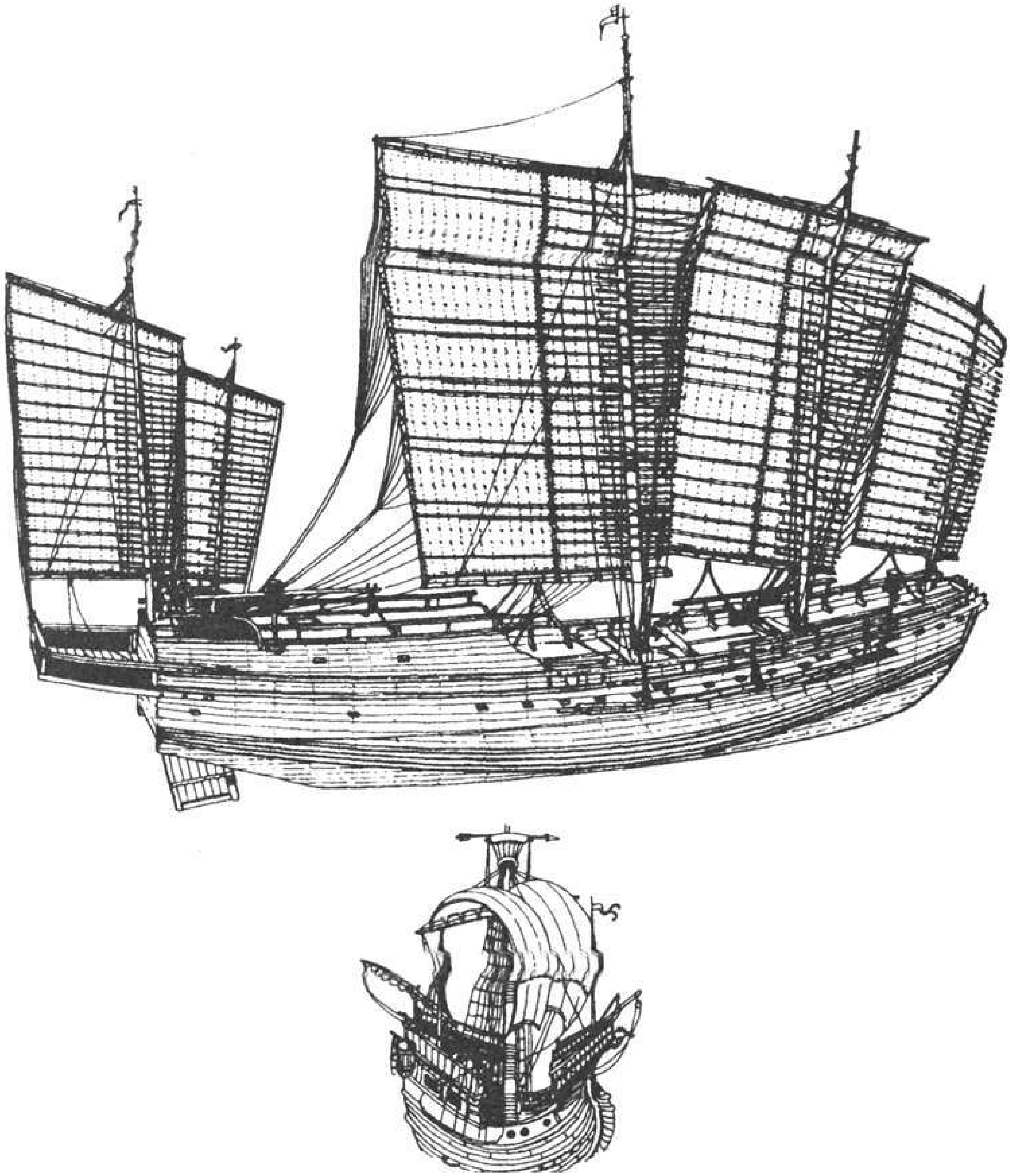
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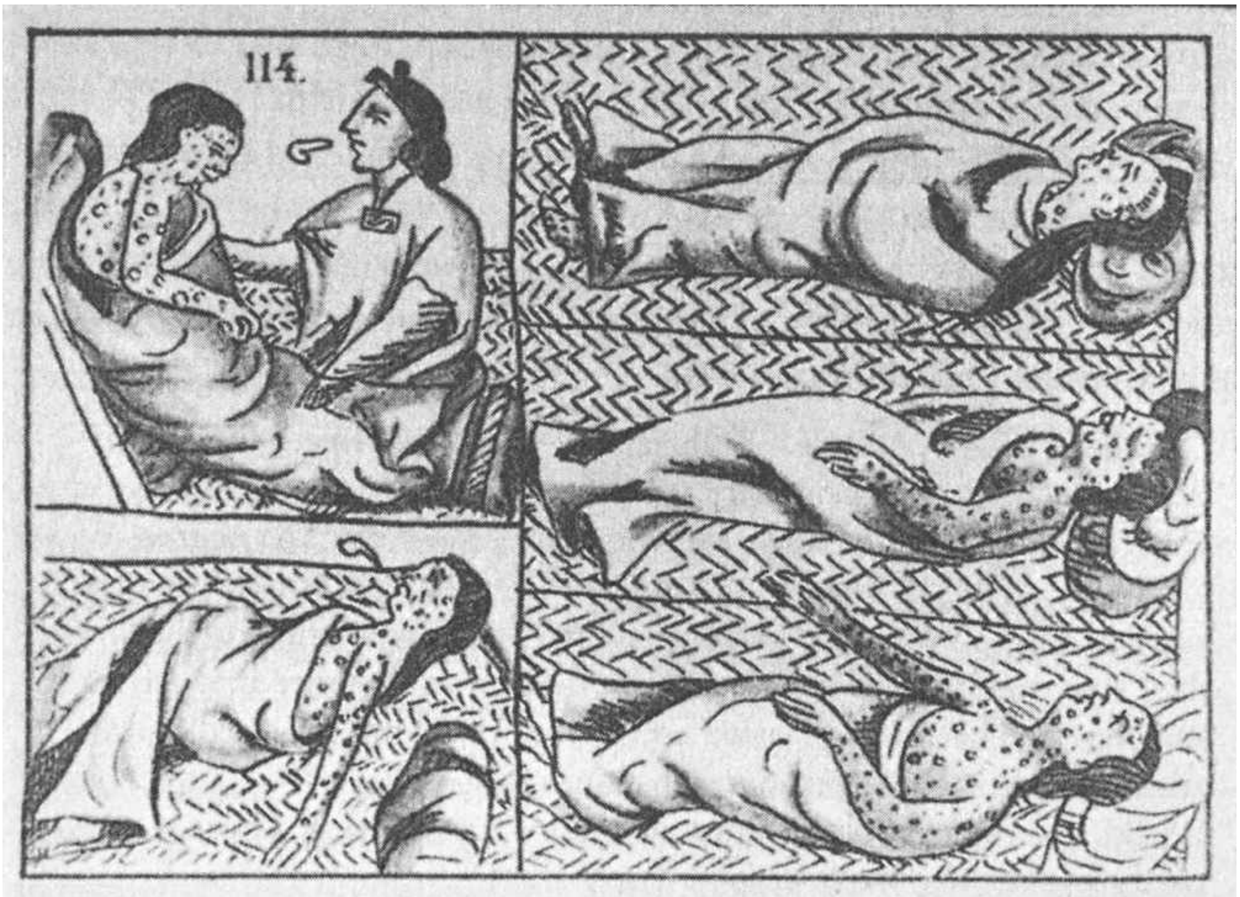
14[illegible]—[illegible]14[illegible]15[illegible]16[illegible]——[illegible]16[illegible]1000[illegible]“[illegible]16[illegible]” [43]

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[illegible]

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> [illegible]Needlewood Forest[illegible]·[illegible]Cannock Chase[illegible]Kinvel Forest[illegible]Worcestershire[illegible]Stourbridge[illegible]

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[illegible]

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[illegible]“[illegible]”[illegible]·[illegible]·[illegible]Jan De Vries[illegible]18[illegible]19[illegible]“[illegible]Industrial[illegible]”[illegible]“[illegible]industrious[illegible]”[illegible] [96]

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[illegible]—[illegible]—[illegible]1700[illegible]18[illegible]“[illegible]” [97]

[illegible]——[illegible]1700[illegible]

□□□18□□17□□□□□□□□□□□□□□□□□□□70—75%□□□□□40%□□□□□□□□□□□□□ [98] □□□□□□□□□□□□□□□□□□□□□□□□□□□□□3/4□□□□□□□□□□□□□□ [99] □□□□□□□□□□□□□□□□□□□□4000□□□□□□□□□□□□□□□□□1759□□□□□□50%□□□□□□□□ [100] □□□□·□□□□□Peter Mathias□□□□□□“□□”[101] □□□□□□□□□□□□□□□□□□□□□□□□□85%□□□□□□□□□□□13%□□□□□□□□□□□1%□□□□ [102]

18□□1700□□

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□□□·□□□□□□□□“□□□”[103] ——□□□□□□□1700□□□

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[93] [illegible]·[illegible]George Huppert[illegible]1986[illegible]72[illegible]

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[102] [illegible]59[illegible]

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[illegible]19[illegible]

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[illegible]13.1 [illegible]1750—1980[illegible]

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发达国家	34	47	73	143	253	481	863	1259	1562	2870	4699	8432	9718
英国	2	6	18	45	73	100	127	135	181	258	330	462	441
德国	4	5	7	11	27	71	138	158	214	180	330	550	590
法国	5	6	10	18	25	37	57	82	74	98	194	328	362
意大利	3	4	4	6	8	14	23	37	46	71	150	258	319
俄罗斯／苏联	6	8	10	16	25	48	77	72	152	328	760	1345	1630
美国		1	5	16	47	128	298	533	528	1373	1804	3089	3475
日本	5	5	5	6	8	13	25	45	88	88	264	819	1001
第三世界	93	99	112	83	67	60	70	98	122	200	439	927	1323
中国	42	49	55	44	40	34	33	46	52	71	178	369	553
印度／巴基斯坦	31	29	33	19	9	9	13	26	40	52	91	194	254
世界	127	146	185	226	320	541	933	1357	1684	3070	5138	9359	11041

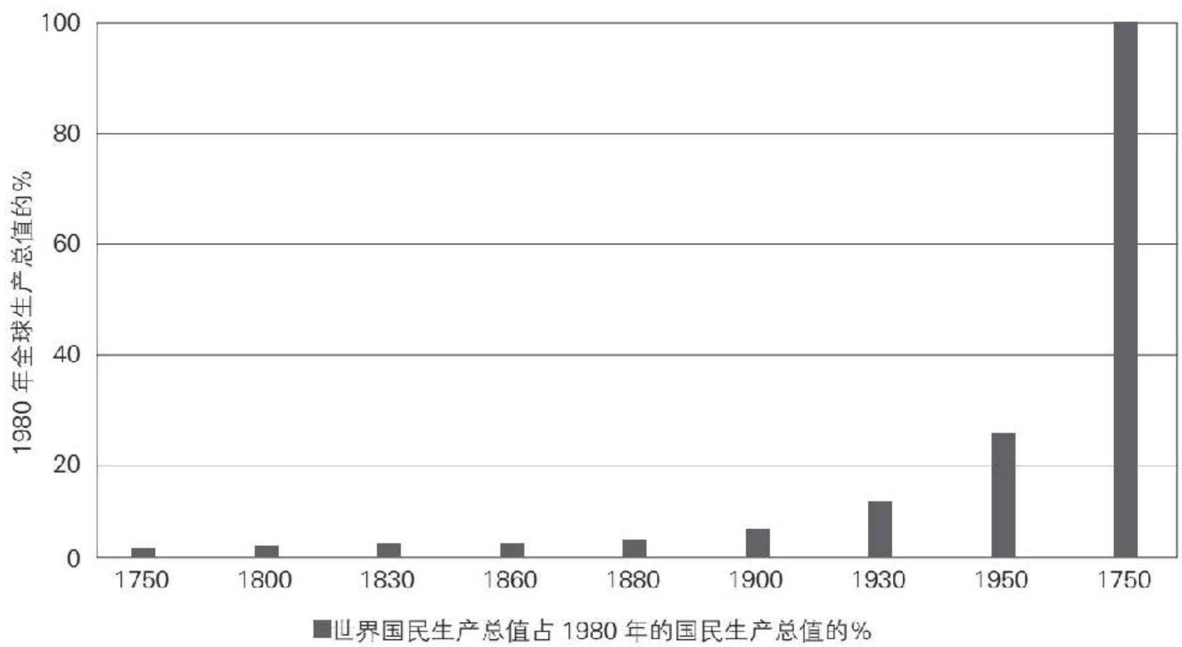
[illegible]·[illegible]Daniel eadrick[illegible]300[illegible]B.L. [illegible]Turner II[illegible]1990[illegible]58[illegible]·[illegible]1705—1980[illegible]11[illegible]1982[illegible]292[illegible]299[illegible]

[illegible]1913[illegible]1928[illegible]1938[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]13.2 [illegible]1750—1980[illegible]

	1750	1800	1830	1860	1880	1900	1913	1928	1938	1953	1963	1973	1980
发达国家	26.8	32.0	39.7	63.3	79.1	88.9	92.5	92.8	92.8	93.5	91.5	90.1	88.0
英国	1.6	4.1	9.8	19.9	22.8	18.5	13.6	10.0	10.7	8.4	6.4	4.9	4.0
德国	3.2	3.4	3.8	4.9	8.4	13.1	14.8	11.7	12.7	5.9	6.4	5.9	5.3
法国	3.9	4.1	5.4	8.0	7.8	6.8	6.1	6.0	4.4	3.2	3.8	3.5	3.3
意大利	2.4	2.7	2.2	2.7	2.5	2.6	2.5	2.7	2.7	2.3	2.9	2.8	2.9
俄罗斯／苏联	4.7	5.4	5.4	7.1	7.8	8.9	8.3	5.3	9.0	10.7	14.8	14.4	14.8
美国		0.7	2.7	7.1	14.7	23.7	31.9	39.3	31.4	44.7	35.1	33.0	31.5
日本	3.9	3.4	2.7	2.7	2.5	2.4	2.7	3.3	5.2	2.9	5.1	8.8	9.1
第三世界	73.2	67.3	60.9	36.7	20.9	11.1	7.5	7.2	7.2	6.5	8.5	9.9	12.0
中国	33.1	33.3	29.9	19.5	12.5	6.3	3.5	3.4	3.1	2.3	3.5	3.9	5.0
印度／巴基斯坦	24.4	19.7	17.9	8.4	2.8	1.7	1.4	1.9	2.4	1.7	1.8	2.1	2.3
世界	100	100	100	100	100	100	100	100	100	100	100	100	100

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[illegible]13.1 1750—1980[illegible]13.2[illegible]

[illegible]“[illegible]”[illegible]1750[illegible]27%[illegible]1860[illegible]63%[illegible]1953[illegible]94%[illegible]1750[illegible]2%[illegible]1880[illegible]20%[illegible]

[illegible]1800[illegible]35%[illegible]1914[illegible]84%[illegible] [1] [illegible]11.1[illegible]1000—1800[illegible]12%——14%[illegible]14[illegible]14%[illegible]1900[illegible]18%[illegible]20[illegible]9%[illegible]

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[illegible]13.3[illegible]1700—1831[illegible]

年份	国民生产增长率		人均国民生产增长率	
	国民生产（每年%）	隐式倍增时间（年）	人均国民生产（每年%）	隐式倍增时间（年）
1700—1760	0.69	100	0.31	223
1760—1780	0.70	99	0.01	6931
1780—1801	1.32	53	0.35	198
1801—1831	1.97	36	0.52	134

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[illegible]“[illegible]”[illegible]

[illegible]19[illegible]N. F. R. [illegible]18[illegible] [6] [illegible]

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[illegible] W.G. [illegible] Hoskins [illegible] · [illegible] Wigston Magna [illegible] “[illegible]” [illegible]

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[illegible] · [illegible] 1765 [illegible] 60 [illegible] [14]

[illegible] 100 [illegible] 17 [illegible] 12% [illegible] 57% [illegible] [15] [illegible]

[illegible] “[illegible]” —— [illegible] · [illegible] “[illegible] 1750 [illegible]” [16]

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[illegible]“[illegible]”[illegible]——[illegible]——[illegible]

[illegible]1700—1800[illegible]37%[illegible][17][illegible]1700—1850[illegible]3[illegible]61%[illegible]1700[illegible]29%[illegible]1840[illegible]1840[illegible]1750[illegible]1170[illegible][18][illegible]13.4[illegible]

[illegible]13.4 [illegible]1700—1850[illegible]

	1700	1750	1800	1850
农作物				
谷物（蒲式耳）	65	88	131	181
肉类（磅）	370	665	888	1356
羊毛（磅）	40	60	90	120
奶酪（磅）	61	84	112	157
1815年的批发价格（英镑）				
谷物和土豆	19	25	37	56
畜牧产品	21	34	51	79
总计	40	59	88	135

[illegible]·[illegible]1700-1820[illegible]2[illegible]1994[illegible]81[illegible]R. C. [illegible]1700[illegible]·[illegible]Roderick Floud[illegible]·[illegible]Donald McCloskey[illegible]2[illegible]1994[illegible]1[illegible]109[illegible]
[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

18[illegible]18[illegible]19[illegible]

[illegible] [19] [illegible]

[illegible]——[illegible]

[illegible]18[illegible]1651[illegible]1660[illegible]17[illegible]

[illegible]

[illegible]“[illegible]”[illegible]18[illegible]19[illegible]4000[illegible]

[illegible]17[illegible]18[illegible]18[illegible]1709[illegible]1500—1760[illegible]10[illegible]5[illegible]·[illegible]Abraham Darby[illegible]Shropshire[illegible]Coalbrookdale[illegible] [20] [illegible]11[illegible] [21] [illegible]18[illegible]60[illegible]1784[illegible]·[illegible]Henry Cort[illegible]18[illegible]10[illegible] [22]

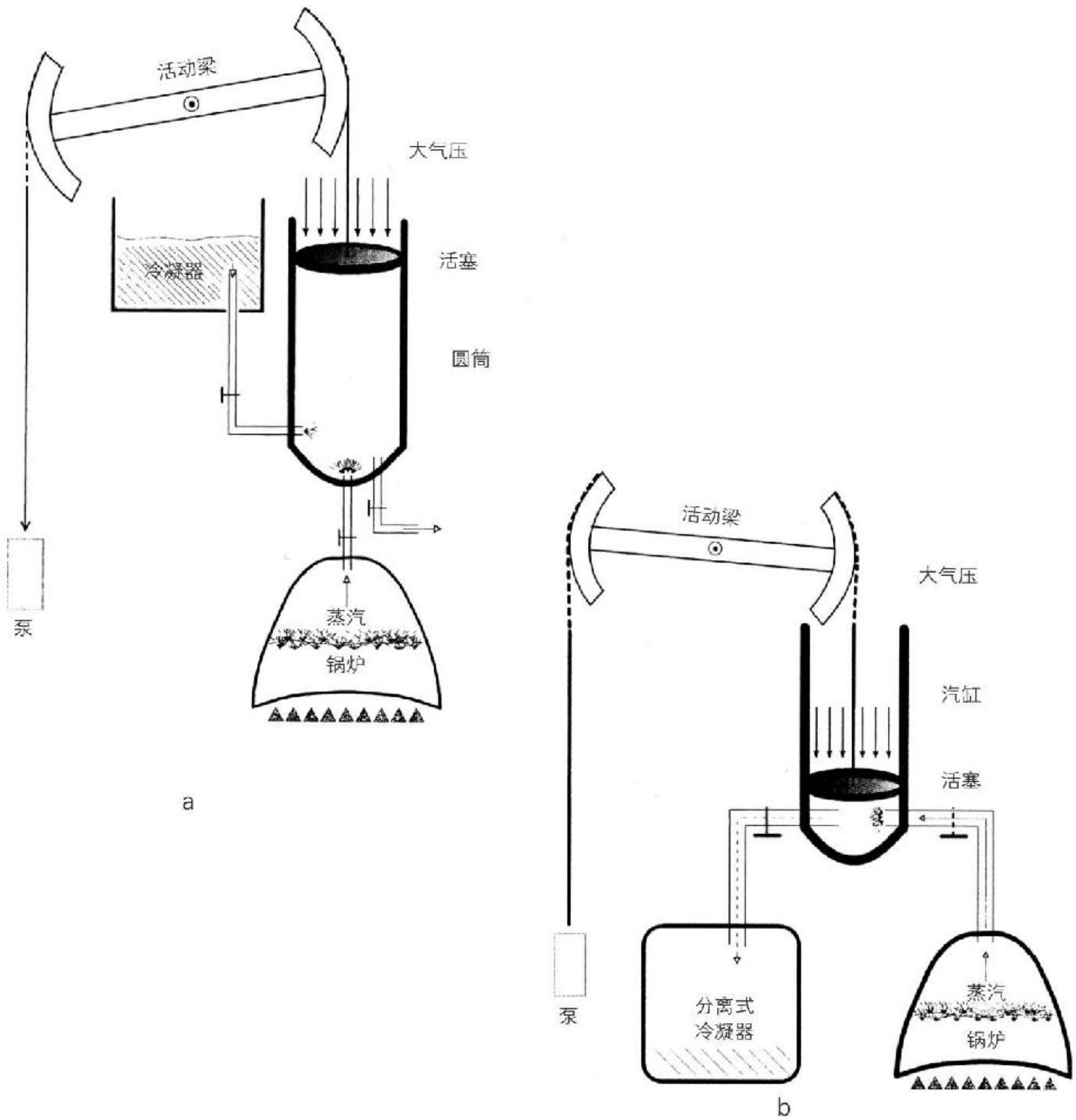
[illegible]16[illegible][23][illegible]·[illegible]Denis Papin[illegible]1679[illegible]·[illegible]Thomas Savery[illegible]1698[illegible]·[illegible]Thomas Newcomen[illegible]1717[illegible]1742[illegible]18[illegible]

[illegible]1702[illegible]1718[illegible]·[illegible]Thomas Lombe[illegible]18[illegible]30[illegible]1733[illegible]18[illegible]30[illegible]18[illegible]70[illegible]80[illegible]·[illegible]Richard Arkwright[illegible]·[illegible]James Hargreaves[illegible]·[illegible]Samuel Crompton[illegible]——[illegible][24][illegible]1780[illegible]20[illegible]85%[illegible][25]

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a.[illegible]1712[illegible]“[illegible]”[illegible]b. 1769[illegible]·[illegible]·E.[illegible]·[illegible]·[illegible]1999[illegible]282[illegible]13.1[illegible]284[illegible]13.2[illegible]1999[illegible]

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[illegible]——[illegible]18[illegible]60[illegible]1802[illegible]·[illegible]Richard Trevithick[illegible]30[illegible]1825[illegible]

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[illegible]13.5 [illegible]1770—1831[illegible]

部门	产品	1770	1801	1831
纺织	棉花	0.6	9.2	25.3
	羊毛	7.0	10.2	15.9
	麻	1.9	2.6	5.0
	丝绸	1.0	2.0	5.8
煤和金属	煤	0.9	2.7	7.9
	铁	1.5	4.0	7.6
	铜	0.2	0.9	0.8
建筑	住房	2.4	9.3	26.5
消费品	啤酒	1.3	2.5	5.2
	皮革[1]	5.1	8.4	9.8
	肥皂	0.3	0.8	1.2
	蜡烛	0.5	1.0	1.2
	纸	0.1	0.6	0.8
总计		22.8	54.2	113.0

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[illegible]·[illegible]

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[illegible] 13.5 [illegible]·[illegible]

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[illegible]18[illegible]·[illegible]“[illegible]”[illegible] [34] 18[illegible]——[illegible]

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[illegible]17—18[illegible]19[illegible]“[illegible]”[illegible]·[illegible]

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[illegible] [35]

[illegible] [36] [illegible]17[illegible]18[illegible]“[illegible]”[illegible]1000[illegible]

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[illegible] [38] [illegible]19[illegible]

[illegible]“[illegible]”[illegible]——[illegible]“[illegible]” [39] ——[illegible]

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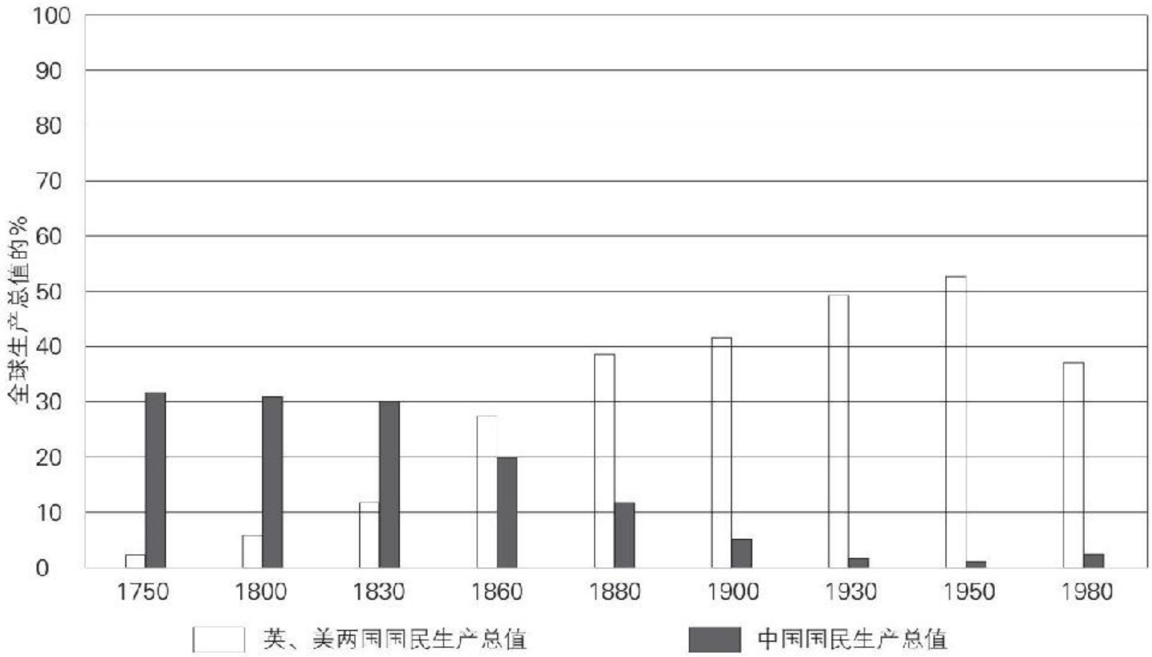
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[illegible]——[illegible]19[illegible] [52] [illegible]1842[illegible]60[illegible]19[illegible]20[illegible]19[illegible]

19[illegible]1800[illegible]33%[illegible]1900[illegible]6%[illegible]1950[illegible]2%[illegible]1800[illegible]20%[illegible]1900[illegible]2%[illegible]20[illegible]1750[illegible]

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[illegible]

[illegible]1969[illegible]·[illegible]1750[illegible]1969[illegible]·[illegible]1700—1820[illegible]2[illegible]1994[illegible]·[illegible]Pat Hudson[illegible]1992[illegible]E. A.[illegible]1988[illegible]N. F. R.[illegible]1985[illegible]·[illegible]1997[illegible]·[illegible]1993[illegible]

[illegible]1780—1914[illegible]1978[illegible]·[illegible]·[illegible]2000[illegible]1997[illegible]·[illegible]·[illegible]1998[illegible]18[illegible]·[illegible]1990[illegible]·[illegible]·[illegible]1999[illegible]·[illegible]990—1992[illegible]1992[illegible]·[illegible]·[illegible]1989[illegible]·[illegible]2001[illegible]·[illegible]Chris Bayley[illegible]2003[illegible]“[illegible]”19[illegible]

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[1] [illegible]·[illegible]19[illegible]1981[illegible]3[illegible]

[2] [illegible]·[illegible]·[illegible]·[illegible]1993[illegible]2[illegible]“[illegible]”[illegible]5[illegible]——[illegible]1997[illegible]279[illegible]“[illegible]1780—1880[illegible]”

[3] [illegible]·[illegible]Alexander Geschenkron[illegible]1962[illegible]

[4] [illegible]·[illegible]·[illegible]1780—1914[illegible]20[illegible]1978[illegible]196[illegible]

[5] [illegible]·[illegible]Cary Hwake[illegible]·[illegible]54[illegible]

[6] N. F. R.[illegible]1985[illegible]115[illegible]

[7] [illegible]·[illegible]1990[illegible]100—109[illegible]

[8] [illegible]·[illegible]125—155[illegible]

[9] [illegible]·[illegible]·[illegible]·[illegible]1979[illegible]108[illegible]

[10] [illegible]·[illegible]·[illegible]108[illegible]·[illegible]13[illegible]

[11] [illegible]·[illegible]11[illegible]

[12] [illegible]13[illegible]16[illegible]

[13] W. G. [illegible]1965[illegible]269[illegible]·[illegible]1700—1820[illegible]2[illegible]1994[illegible]85[illegible]

[14] [illegible]·[illegible]2[illegible]1987[illegible]206[illegible]

[15] [illegible]1700—1820[illegible]80[illegible]

[16] [illegible]1969[illegible]28—29[illegible]

[17] [illegible]62—63[illegible]

[18] [illegible]62[illegible]121[illegible]

[19] [illegible]18[illegible]0.2%——0.3%[illegible]1801—1830[illegible]0.7%[illegible]1831—1860[illegible]1.0%[illegible]2[illegible]76—77[illegible]81[illegible]

[20] [illegible]·E.[illegible]James E. McClellan III[illegible]·[illegible]Harold Dorn[illegible]·[illegible]1999[illegible]279[illegible]

[21] [illegible]·[illegible]Arnold Pacey[illegible]1990[illegible]113[illegible]

[22] [illegible]280—281[illegible]

[23] [illegible]84—85[illegible]

[24] [illegible]96—98[illegible]

[25] [illegible]111[illegible]

[26] [illegible]·[illegible]2[illegible]1995[illegible]124—125[illegible]

[27] [illegible]125[illegible]

[28] [illegible]1990[illegible]106[illegible]117—119[illegible]

[29] [illegible]1970[illegible]202[illegible]·[illegible]George Basalla[illegible]1988[illegible]40[illegible]

[30] [illegible]Lather[illegible]——[illegible]

[31] [illegible]·[illegible]1700—1914[illegible]2[illegible]1983[illegible]124—125[illegible]287—289[illegible]

[32] [illegible]·[illegible]1997[illegible]50—51[illegible]

[33] [illegible]50—51[illegible]

[34] [illegible]·[illegible]87[illegible]

[35] [illegible]·[illegible]990—1992[illegible]1992[illegible]96[illegible]

[36] [illegible]·[illegible]“[illegible]”[illegible]990—1992[illegible]3[illegible]

[37] [illegible]990—1992[illegible]103—104[illegible]

[38] [illegible]990—1992[illegible]106—107[illegible]

[39] [illegible]·[illegible]——[illegible]1985[illegible]·[illegible]

[40] [illegible]990—1992[illegible]110[illegible]

[41] [illegible]——[illegible]152[illegible]

[42] [illegible]E. P. [illegible]1975[illegible]·[illegible]1968[illegible]

[43] [illegible]·[illegible]1957[illegible]

[44] ·John Merson 1989 83

[45] · 70

[46] 221

[47] 98

[48] 134—135

[49]

[50] · 300 B. L. 1990 55—67

[51] ·Richard Barff 20 R. J. ·L. ·L. 1995 51

[52] ·Mike David 2001 51

[53] · 16 3

[54] · 115

[55] 1997

[illegible]14[illegible]
20[illegible]

[illegible]20[illegible]

[illegible]

[illegible] [1]

[illegible]

20[illegible]20[illegible]·[illegible]“[illegible]”20[illegible]1994[illegible]20[illegible]20[illegible]·[illegible]“[illegible]20[illegible]”[illegible] [2]

[illegible]20[illegible]20[illegible]20[illegible]

[illegible]20[illegible]

[illegible]·[illegible]“[illegible]

[illegible]——[illegible]
[illegible]——[illegible]” [3]
[illegible]D. J.[illegible]Bradley[illegible]“[illegible]
[illegible]”[illegible]
40[illegible]10[illegible]
[illegible]400[illegible]4000[illegible] [4]

1940[illegible]·[illegible]20[illegible]
[illegible]

> [illegible]Klee[illegible]“[illegible]”[illegible]*Angelus Novus* [illegible]
> [illegible]
> [illegible] [5]

[illegible]·[illegible]
[illegible] [6]

[illegible]20[illegible]
[illegible]10[illegible]4000[illegible]
[illegible]

[illegible]
[illegible]14.1[illegible] [7] [illegible]1900
[illegible]16[illegible]60[illegible]10[illegible]10
[illegible]5[illegible]10[illegible]80[illegible]
[illegible]40[illegible]

[illegible]

20[illegible]

14.1 1900—2000

年代	人口（10亿）
1900	1.634
1910	1.746
1920	1.857
1930	2.036
1940	2.267
1950	2.515
1960	3.019
1970	3.698
1980	4.450
1990	5.292
2000	6.100

[illegible]——[illegible]——[illegible]20[illegible]70[illegible]80[illegible]

[illegible]21[illegible]·[illegible]Manuel Castells[illegible]20[illegible]20[illegible]“[illegible]”[illegible][11][illegible][12][illegible]2000[illegible]14.2[illegible]

[illegible]14.2 [illegible]2000[illegible]1[illegible]

排位	政治单元	公司	价值（10 亿美元）
1	美国		15013
2	日本		4224

排位	政治单元	公司	价值（10 亿美元）
3	英国		2775
4	法国		1304
5	德国		1229
6	加拿大		695
7	瑞士		662
8	荷兰		618
9	意大利		610
10		微软（美）	546
11	香港		536
12		通用电器（美）	498
13	澳大利亚		424
14	西班牙		390
15		思科系统（美）	355
16	中国台湾		339
17	瑞典		318
18		英特尔（美）	305
19		埃克森–美孚（美）	295
20		沃尔玛（美）	289
21	韩国		285
22	芬兰		276
23		日本航空（日）	274
24		美国在线–时代华纳	289 [1]
25	南非		232
26		诺基亚（芬兰）	218
27	希腊		217
28		德国电气（德）	218
29		IBM（美）	213
30	巴西		194

[illegible]2000[illegible]1[illegible]15[illegible] [13]

[illegible]19[illegible]20[illegible]1900—1950[illegible]2[illegible]5[illegible]50[illegible]29[illegible]20[illegible]20[illegible]1995—1998[illegible]1900[illegible]1[illegible] [14]

[illegible]

[illegible]19[illegible]·[illegible]“[illegible]”[illegible]——[illegible]19[illegible]20[illegible]19[illegible]20[illegible]20[illegible]——[illegible]·[illegible]1922[illegible]——[illegible]20[illegible]

[illegible]

[illegible]19[illegible]70[illegible]“[illegible]”[illegible]19[illegible]

[illegible]·[illegible]·[illegible]John Maynard Keynes[illegible]20[illegible]

[illegible]20[illegible][15]

[illegible]1990[illegible]100[illegible]80[illegible]100[illegible]80[illegible]65[illegible]100[illegible]60[illegible] [16]

[illegible]20[illegible]

[illegible]

[illegible]20[illegible]

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20□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□20□□□□□□□□□□□□□
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□1900□□1500□□□□□1998□□6600□□□□□□□□□□□□□□□□□——□□□□
□□□□□□□□□□35□□□□□□66□□[17]□□□□□□□□□□□□□□□□□□14.3□□
14.4□□□□□□□□□□□□□□□□□2000□□□□□□□□□□34 100□□□□□□□□□□
□□27 680□□□□□□□□□□□□□□□□□□3580□□□□□□□200□□□□□□□□□□□□
□840□□□□□□□□□□□□□□□□□□□□□□□□□450□□□210□□□□□□□□□□□□
□□□□□□□□□□14.3□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1%□□□
□□□□□□□□□□□□□□□□□1.5%□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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□14.3 2000□□□□□□

国家或地区	收入（美元）
世界	5170
美国	34 100
高收入国家平均值	27 680
布基纳法索	210
撒哈拉以南非洲	470
印度	450
中国	840
巴西	3580
拉丁美洲和加勒比海地区	3670

□□□□□□□□□□□□□□□□□□□□□2002□□□□1.1□□□□□□□18—20□

□14.4 2000□□□□□

国家或地区	期望寿命（岁）	
	男子	女子
世界	65	69
美国	74	80
高收入国家平均值	75	81
布基纳法索	44	45
撒哈拉以南非洲	46	47
印度	62	63
中国	69	72
巴西	64	72
拉丁美洲和加勒比海地区	67	74

□□□□□□□□□□□□□□□□□□□□□□□□2002□□□□1.5□□□□□□□□□□□32—34□

□20□□□□□10□□□□□□□□□□□□□1960□□□□□20%□□□□□□□□□□□□20%□□□□□□30□□1991□□□□□□61□□[18]□□□□□□□□□□□□□□□□□□□□□20□□70□□□□□□□□□□□□□□□□□□□□□□□□□□□□90□□□□□□□□□□□□□□□□□□□□4.5□□□□□□□□□□□□□□□□□□1100□□□□□□□□□□□□□□□□□□□□□□[19]

□□□1%□□□20□□90□□□□□□□□□□□26%□□□□HIV□□[20]□□□·□□□□Paul Harrison□□□□□“□□□□□□□□□□□□□□□□□□□□□……□□”□[21]□20□□90□□□□□□□□□□□8□□□□□□□□□□□□□□14%□□□□□□□12□□□□□□□□□□□□□□20%□□□□□□□□□□□□□□□□□[22]□14.5□□□1994□□□□□□□□□□□

□14.5 1994□□□□□□□□□□□□□

地区	人口（百万）	自然增长（%／年）	出生率（‰）	死亡率（‰）	期望寿命（出生时）	人均 GDP（1992 年，美元）
世界	5607	1.6	25	9	65	4 340
比较发达	1164	0.3	12	10	75	16 610
欠发达	4443	1.9	28	9	63	950
非洲	700	2.9	42	13	55	650
亚洲	3392	1.7	25	8	64	1 820
拉丁美洲和加勒比海地区	470	2.0	27	7	68	2 710
欧洲	728	0.1	12	11	73	11 990
北美	290	0.7	16	9	76	22 840
大洋洲	28	1.2	20	8	73	13 040

[illegible]·[illegible]Allen Findlay[illegible]20[illegible]R. J. [illegible]·J. [illegible]·J. [illegible]1995[illegible]1994[illegible]

[illegible]

[illegible]——[illegible]emergency granaries[illegible]13.2[illegible]20[illegible]18[illegible]1800[illegible]97%[illegible]2[illegible]20[illegible]75%[illegible]1980[illegible]60%[illegible]2000[illegible]2[illegible] [23] [illegible]1800[illegible]20%[illegible]——[illegible]——[illegible]·[illegible]“20[illegible]” [24]

[illegible]·[illegible]20[illegible]80[illegible]

[illegible]Sahel[illegible]

[illegible]·[illegible]60[illegible]Moumouni[illegible]

[illegible]12[illegible]34[illegible]5[illegible]……[illegible]……[illegible]5/6[illegible]12[illegible]

[illegible]

[illegible]50[illegible] [25]

[illegible]1988[illegible]“[illegible]”[illegible]8.8%[illegible] [26]

[illegible]20[illegible]

[illegible]

[illegible]1793[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible][27] [illegible]

[illegible]——[illegible]19[illegible]40[illegible]1839[illegible]“[illegible]”[28] [illegible]1842[illegible]·[illegible]20[illegible]20[illegible]·[illegible]“[illegible]”[illegible]

[illegible]20[illegible][29] [illegible]20[illegible]30[illegible]1949[illegible]——[illegible]20[illegible]24%[illegible]2%[illegible][30] [illegible]

[illegible]——[illegible]20[illegible]30[illegible]50[illegible]——[illegible]

[illegible]·[illegible]

> [illegible]——[illegible]20[illegible]70[illegible]——[illegible]……[illegible]“[illegible]”[illegible]
>
> [illegible]15[illegible]20[illegible]80[illegible] [31]

[illegible]20[illegible]90[illegible]

[illegible]20[illegible]

[illegible]

[illegible]100[illegible]“[illegible]”[illegible]·[illegible]William Eckhardt[illegible]1500[illegible]370[illegible]

[illegible]16[illegible]160[illegible]17[illegible]18[illegible]610[illegible]700[illegible]19[illegible]1940[illegible]20[illegible]1.097[illegible]1900[illegible]14.6[illegible] [32] [illegible]5350[illegible]1986[illegible]7000[illegible]180[illegible]TNT[illegible]——[illegible]3.6[illegible] [33] [illegible]

[illegible]14.6 1500—1999[illegible]

年份	战争死亡（百万）	每 1000 人死亡数
1500—1599	1.6	3.2
1600—1699	6.1	11.2
1700—1799	7.0	9.7
1800—1899	19.4	16.2
1900—1999	109.7	44.4

[illegible]·R. [illegible]1999[illegible]1999[illegible]153[illegible]·[illegible]3000[illegible]22[illegible]4[illegible]1991[illegible]12[illegible]437—443[illegible]·[illegible]·[illegible]Ruth Leger Sivad[illegible]1996[illegible]1996[illegible]

[illegible]1900[illegible]20[illegible]80[illegible]275[illegible][34][illegible]1945—2000[illegible]9[illegible]100[illegible]10%[illegible]13%[illegible][35][illegible]20[illegible]90[illegible]40%[illegible]2001[illegible]9[illegible]11[illegible]“[illegible]”[illegible][36][illegible]

[illegible]

20[illegible]“[illegible]300[illegible]”[37]

[illegible]6.1[illegible]20[illegible]20[illegible]60 000—90 000[illegible]20[illegible]“[illegible]”[illegible]net primary productivity[illegible]25%[illegible]40%[illegible]140[illegible]

[illegible]1966[illegible]20%[illegible] [38] [illegible]·[illegible]（Richard Leakey）[illegible]65%[illegible] [39]

[illegible]120[illegible]20[illegible]1950[illegible]9400[illegible]2.6[illegible]40%[illegible] [40] [illegible]

[illegible]·[illegible]“[illegible]”[41] [illegible]450℃[illegible]9℃[illegible]190—200ppm[illegible]1800[illegible]280ppm[illegible]350 ppm[illegible]2150[illegible]550—600 ppm[illegible]

[illegible]20[illegible]20[illegible]2050[illegible]2.5℃[illegible]——[illegible] [42]

[illegible]

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20□□90□□□□□□□□□□□□□□□□□□□□·W.□□□□□□□□□□·C.□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□10□□□□□□□□□□□□□□□□□□□□1□□□1985□□□□□□□□□□□□□□□□□□□□□□□□□□□□25%□50%□□75%□□□□□□□□□14.7□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1985□□□□50%□□□7□□□□□□1945—1985□□40□□□□□□□□□□10000□□□□[45]□□□□□□□□——□□□□□□□□□□□□□□□□□□——□□□□50%□□□□20□□□□□□□6.1□□□□□□□□□□□□□□□□□□□□□20□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□14.7 □□□1□□□20□□80□□□□□□□□□□□□□□□

转型的类型	四分位值（与 1985 年相比）		
	25%	50%	75%
森林消失的地区	1700	1850	1915
陆地脊椎动物的多样性	1790	1880	1910
取水量	1925	1955	1975
人口规模	1850	1950	1970
碳释放	1815	1920	1960
硫释放	1940	1960	1970
磷释放	1955	1975	1980
氮释放	1970	1975	1980
铅释放	1920	1950	1965
四氯化碳生产	1950	1960	1970

[illegible]·W. [illegible]B. L. [illegible]·C. [illegible]300[illegible]B·L·[illegible]1990[illegible]7[illegible]

[illegible]20[illegible]20[illegible]——[illegible]

[illegible]

20[illegible]20[illegible]21[illegible]20[illegible]20[illegible]

[illegible]

[illegible]·R. [illegible]2000[illegible]·[illegible]1994[illegible]·[illegible]3[illegible]1996——1998[illegible]20[illegible]B. L.[illegible]1990[illegible]·[illegible]1984[illegible]——[illegible]·[illegible]David Held[illegible]1999[illegible]·[illegible]1992[illegible]·[illegible]21[illegible]1994[illegible]

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[1] [illegible]·[illegible]Yehudi Menuhin[illegible]E. J. [illegible]1994[illegible]2[illegible]·[illegible]Giovanna Borgese[illegible]Mi pare un secolo: Ritrati e

parole di centosei protagonisti del Novecento 1992

[2] ·R.

[3] · 51

[4] D. J. · Andrew Cliff · Peter Haggett 20 R. J. ·L. ·L. 1995 206—223 207 208

[5] · · Hannah Arendt · Harry Zohn · 1970 9 259—260

[6] “ ” 15

[7] ·W. Robert W. Kates B. L. Turner II ·C. William C. Clark 300 B. L. 1990 11

[8] ·R. Lester R. Brown 1999 1999 115—116

[9] ·R. 55—67

[10] · 20 51

[11] · 1 1996 2 1997 3 1998

[12] 59

[13] ——

[14] 1999 10

[15] · · · Richard and Lee Meadows Jantz J. J. Stambaugh “ 1800 ” 2001 12 22

[16] · Susan Christopherson 202 310—319

[17] 1999 10

[18] ·R. 1995 1995 176

[19] · Paul Kennedy 21 1994 215

[20] 1999 10

[21] · 2 1981 11

[22] 1999 12

[23] “98CD ” 1994—1997 “ ”

[24] 289 289—291

[25] · 67

[26] □□□□□1995□□□□□□□□□12□□

[27] □□□□□□□□□□□□□□□2□□□□□□□□□□□□□□□□□□1975□□□213□□

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[35] □□□□□1999□□□□□□□□□155—156□□

[36] □□□□□1999□□□□□□□□□159□163□□

[37] □□·F. □□□□“□□□□”□□□□□□□□□□□□□□□□□□□□□□□□□□21□□

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[40] □□□□□1999□□□□□□□□□116—117□□□123□□

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[42] □□·□□□□□□21□□□□□□□□112□□□2001□□□□□□□□□□□□□□□□□□□□□□□□□□□

[43] □□□□□1999□□□□□□□□□11□□

[44] □□□□□1999□□□□□□□□□116□□

[45] □□□□□□□□□□□□□□□□□12□□

[illegible]6[illegible]
[illegible]

[illegible]15[illegible]

[illegible]

[illegible]——[illegible]

[illegible]

[illegible] [1]

[illegible]

[illegible]19[illegible]20[illegible]90[illegible]

[illegible] [2] [illegible]·[illegible]Richard Solé[illegible]·[illegible]Brian Goodwin[illegible]“[illegible] [3]

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[illegible]Collinwood[illegible]“[illegible]” [5]

[illegible]1000[illegible]

[illegible]——[illegible]——[illegible]……[illegible]

[illegible]

[illegible]100[illegible]“[illegible]”[illegible]

[illegible]

“[illegible]”[illegible]——[illegible]“[illegible]”[illegible]——[illegible]·[illegible]Jean-Marie Sawadogo[illegible]55[illegible]

[illegible]Pheleus[illegible]“[illegible]”[illegible]

[illegible]20[illegible]

[illegible]·[illegible]Herman Kahn[illegible]1966[illegible]·[illegible]Donella Meadows[illegible]1972[illegible][6][illegible]1[illegible]2[illegible]3[illegible]

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[illegible]1500[illegible]Marquesas[illegible]22.5[illegible]11[illegible]

[illegible]700[illegible]ahus[illegible]

[illegible]500[illegible]7000[illegible]——[illegible]

[illegible]

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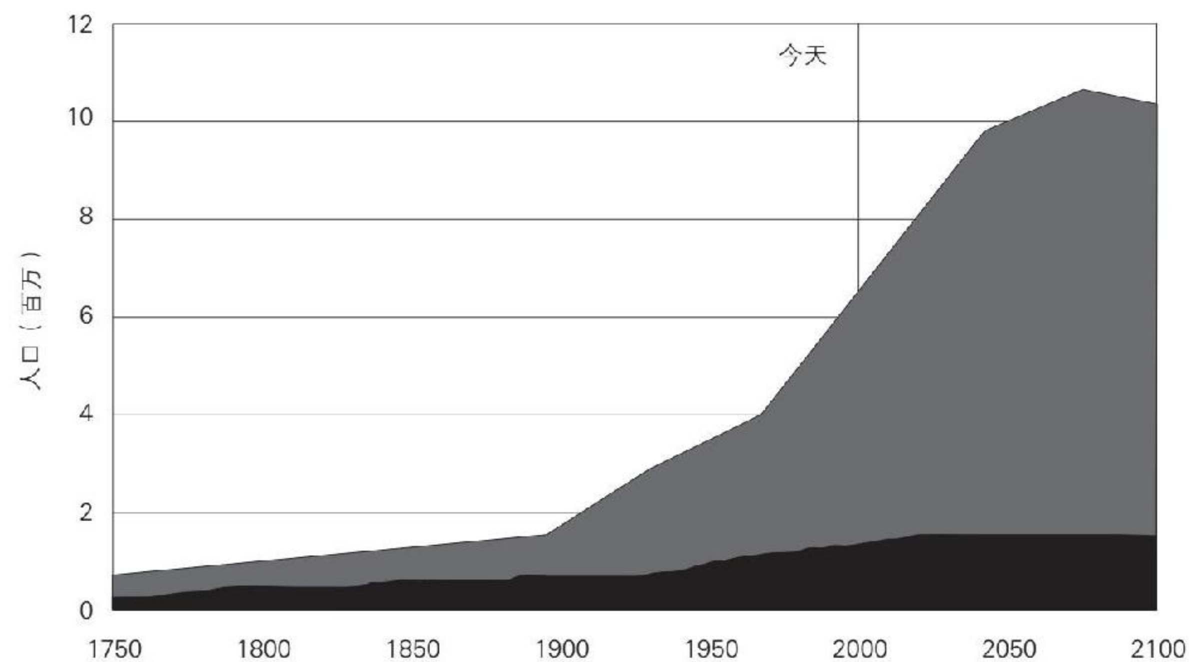
[illegible] [9] [illegible]

[illegible] 20 [illegible]——[illegible]

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——40□□□
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□15.2 1750—2100□□□□“□□□□□□”□

[illegible]2100[illegible]·[illegible]21[illegible]1994[illegible]23[illegible]

[illegible]20[illegible]——[illegible]“[illegible]”——1992[illegible]——[illegible]“[illegible]”[illegible]10[illegible]

[illegible]20[illegible]70[illegible]CFCs[illegible][11][illegible]1977[illegible]UNEP[illegible]20[illegible]80[illegible]30%[illegible]——[illegible]40%——[illegible]20[illegible]80[illegible]“[illegible]”[illegible]1985[illegible]1987[illegible]1999[illegible]50%[illegible]1999[illegible]5[illegible]80[illegible]2000[illegible]1990[illegible]32[illegible]10[illegible]1986[illegible]110[illegible]1996[illegible]16[illegible]

[illegible]·[illegible]“[illegible]1979[illegible]1987[illegible]1988[illegible]60%[illegible]1990[illegible]”[12]

[illegible]——[illegible]·[illegible]·[illegible]20[illegible]30[illegible]——[illegible]

[illegible]“[illegible]”[illegible]——[illegible]——[illegible]

[illegible]

[illegible]

[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible] [13] [illegible]

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[illegible]

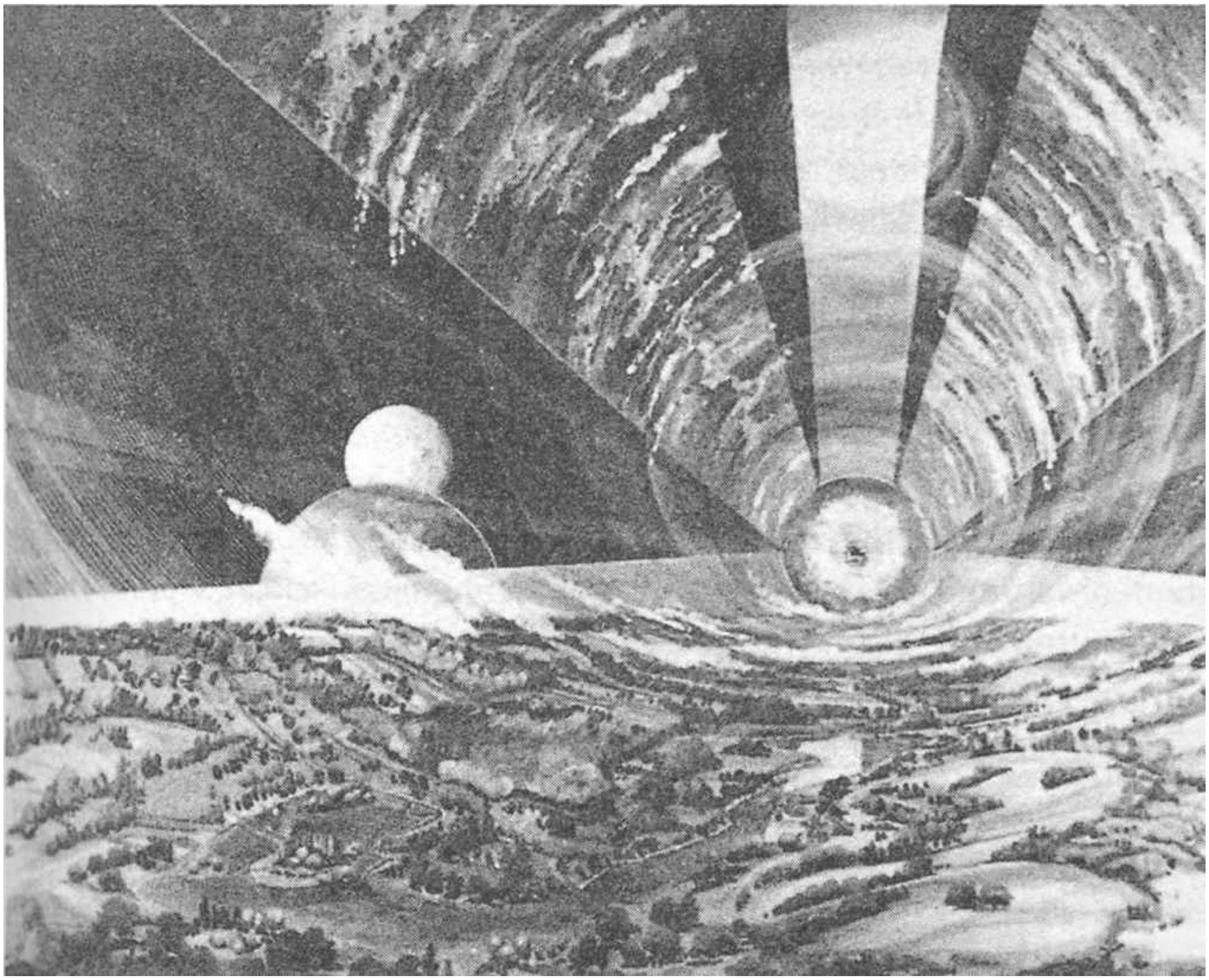
[illegible]5000[illegible]

[illegible]——[illegible]——[illegible]100[illegible]——120[illegible]·[illegible]Konstantin Tsiokovsky[illegible]1961[illegible]4[illegible]12[illegible]1969[illegible]6[illegible]21[illegible]500[illegible]

[illegible]“[illegible]”——[illegible]

[15] [illegible]1000[illegible]“[illegible]”[illegible]

[illegible][16] [illegible]4[illegible]30 000[illegible]1/10[illegible]“[illegible]”[illegible]15.3[illegible]



[illegible]15.3 [illegible]

[illegible]·K.[illegible]Gerard K. O’Neil[illegible]20[illegible]70[illegible]80[illegible]30[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]2000[illegible]42[illegible]

[illegible]·C.[illegible]“[illegible]”[17][illegible]

[illegible]

[illegible] 20 [illegible] [18] [illegible]

[illegible] —— [illegible] —— [illegible] 40 [illegible] 1950 [illegible] · [illegible] Los Alamos [illegible] “[illegible]” [illegible] [19] [illegible]

[illegible] 1000 [illegible] 6500 [illegible]

[illegible]

[illegible]

[illegible] 40 [illegible] 30 [illegible] [20] [illegible]

[illegible] 6000 [illegible] · [illegible]

[illegible]“[illegible]2000℃[illegible]3/4[illegible]”[21] [illegible]——[illegible]——[illegible]

[illegible]——[illegible]90%[illegible]
[22]

[illegible]“[illegible]”[illegible]Big Crunches[illegible][23] [illegible]20[illegible]90[illegible]——[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1030[illegible]

[illegible]·[illegible]20[illegible]70[illegible]10[illegible]10[illegible]15.1[illegible]1030[illegible]“[illegible]”[24][illegible]·[illegible]“[illegible]——[illegible]”[25]

[illegible]15.1 [illegible]

大爆炸以来的时间（年）	重大事件
10^{14}	大多数恒星都死亡了；主宰宇宙的是冷物质、黑矮星、中子星、死亡的行星和小行星，以及星际黑洞；随着宇宙的膨胀，幸存下来的物质都是相互分离的。
10^{20}	许多物体都飘离星系；那些残留的物体塌陷到星系的黑洞里面。
10^{32}	质子大多毁坏，留下一个由能量、轻子和黑洞组成的宇宙。
10^{66}—10^{106}	星际和恒星黑洞蒸发。
10^{1500}	经过量子“通道”，剩下的物质转变为铁。
10^{1076}	剩下的物质转变为中子物质，然后变为黑洞，蒸发。

[illegible]·[illegible]2000[illegible]263[illegible]

[illegible][26]

[illegible]——[illegible]

[illegible]

[illegible]40[illegible]130[illegible]

[illegible]

[illegible]·[illegible]21[illegible]1996[illegible]·[illegible]1999[illegible]·[illegible]2001[illegible]·[illegible]Bjørn Lomborg[illegible]2001[illegible]·[illegible]21[illegible]1994[illegible]·[illegible]·[illegible]1985[illegible]“[illegible]”[illegible]·[illegible]Walter Miller[illegible]1959[illegible]·[illegible]2000[illegible]·[illegible]1995[illegible]

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[1] [illegible]·[illegible]——[illegible]Murray Gell-Mann[illegible]·[illegible]Yorick Blumenfeld[illegible]20[illegible]1999[illegible]79[illegible]471[illegible]·[illegible]1993[illegible]149[illegible]111-A-D[illegible]115[illegible]

[2] [illegible]·[illegible]·[illegible]20[illegible]

[3] [illegible]20[illegible]

[4] [illegible]·N.[illegible]21[illegible]1996[illegible]158[illegible]

[5] R. C. [illegible]1956[illegible]54[illegible]·[illegible]·[illegible]John Lewis Gaddis[illegible]2002[illegible]58[illegible]

[6] [illegible]·[illegible]7—23[illegible]·[illegible]1960[illegible]·H.[illegible]1972[illegible]·[illegible]21[illegible]——[illegible]2003[illegible]

[7] [illegible]·[illegible]

[8] [illegible]·R. [illegible]330[illegible]

[9] [illegible]·R. [illegible]W. W. [illegible]2001[illegible]——[illegible]61—79[illegible]

[10] [illegible]·R. [illegible]·[illegible]Jannifer Michell[illegible]1998[illegible]1998[illegible]174[illegible]

[11] [illegible]·[illegible]Gareth Poter[illegible]·[illegible]·[illegible]Janet Welsh Brown[illegible]·S. [illegible]Pamela S. Chasek[illegible]3[illegible]2000[illegible]87—93[illegible]

[12] [illegible]·R. [illegible]1995[illegible]1995[illegible]172[illegible]

[13] [illegible]21[illegible]74[illegible]

[14] [illegible]——[illegible]

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[16] [illegible]2[illegible]

[17] [illegible]·C. [illegible]19[illegible]

[18] [illegible]·[illegible]Brian Stableford[illegible]·[illegible]Dvid Langford[illegible]2000—3000[illegible]1985[illegible]20[illegible]80[illegible]

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地质年代	纪	起始时间（距今）	重大事件
冥古代		46 亿年	太阳系形成；月亮；熔融的液态和“分化”；最古老的岩石，早期大气层
太古代		40 亿年	最早的生命；原核生物
原生代		25 亿年	氧气增加；真核生物
	埃迪卡拉纪	5.9 亿年	最早的多细胞有机体
古生代	寒武纪	5.7 亿年	最早的带有贝壳的有机体
	奥陶纪	5.1 亿年	最早的珊瑚、脊椎动物
	志留纪	4.39 亿年	最早的多骨鱼类、最早的树
	泥盆纪	4.09 亿年	最早的鲨鱼、两栖动物
	石炭纪	3.63 亿年	最早的爬行动物、有翼昆虫；煤形成
	二叠纪	2.9 亿年	生物大灭绝
中生代	三叠纪	2.5 亿年	最早的恐龙、蜥蜴、哺乳动物
	侏罗纪	2.08 亿年	最早的鸟类
	白垩纪	1.46 亿年	最早的开花植物、有袋类动物
新生代（第三纪）	古新世	6500 万年	小行星影响；恐龙灭绝；哺乳动物和开花植物的传播；最早的灵长目
	始新世	5700 万年	最早的猿人
	渐新世	3600 万年	早期类人动物
	中新世	2300 万年	人科动物与猿类分离
	上新世	520 万年	南方古猿、能人
（第四纪）	更新世	160 万年	直立人、现代人
	全新世	1 万年	后冰川时代人类历史

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[1] [illegible]·[illegible]1998[illegible]285[illegible]·[illegible]2[illegible]1998[illegible]2[illegible]·[illegible]Nigel Calder[illegible]1983[illegible]

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[1] [illegible]·[illegible]1996[illegible]·J. [illegible]2001[illegible]·[illegible]Erwin Schrödinger[illegible]1992[illegible]1994[illegible]1[illegible]·[illegible]Ilya Progogine[illegible]·[illegible]Isabelle Stengers[illegible]1984[illegible]·[illegible]1989[illegible]·[illegible]·[illegible]2000[illegible]·[illegible]Stuart Kauffman[illegible]1995[illegible]·[illegible]1993[illegible]

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Something New Under the Sun

的新鲜事

[美]约翰·R. 麦克尼尔（John R. McNeill）著 李芬芳 译

20世纪人

An Environmental History of

与环境的

the Twentieth-Century World

全球互动

中信出版集团

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[illegible][1]（Luddite）[illegible]“[illegible]”[illegible]

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[illegible]·[illegible]（Paul Kennedy）

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[1] [illegible]1811[illegible]1816[illegible]

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[illegible] niche [illegible] Lebensraum [illegible] genetic footprint [illegible]

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·Robert Benchley

·Arnold Tonybee *The Roman Revolution from the Flora’s Point of View*

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[1] Toynbee 1965,2[illegible]585–99.

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[illegible]Woodrow Wilson International Center for Scholars[illegible]1996[illegible]1997[illegible]·[illegible]Temma Kaplan[illegible]·[illegible]Wolf Fischer[illegible]·[illegible]Christian Kannwischer[illegible]·[illegible]Peter Kocsis[illegible]·[illegible]Angeliki Papantoniou[illegible]Toshuko Shironitta[illegible]1997[illegible]1998[illegible]Guggenheim Foundation[illegible]

[illegible]Massey University[illegible]University of Canterbury[illegible]United States Environmental Protection Agency[illegible]Futures Group[illegible]

[illegible]Norton’s Global Century series[illegible]·[illegible]Paul Kennedy[illegible]·[illegible]Steve Forman[illegible]·[illegible]Susan Middleton[illegible]

[illegible]·[illegible]Julie Billingsley[illegible]

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——G.K.[illegible]G.K.Chesterton[illegible]1933[illegible]

[illegible]40[illegible]400[illegible]20[illegible]

[illegible]“[illegible]”[illegible][1][illegible]20[illegible]

[illegible]20[illegible]20[illegible]

[illegible]20[illegible]100[illegible]1945[illegible]20[illegible]20[illegible]

[illegible]20[illegible]50[illegible]2[illegible]

[illegible]nonlinear effects[illegible]20[illegible]30[illegible]Sudetenland[illegible]1939[illegible]9[illegible]6[illegible]26℃[illegible]20[illegible]

[illegible]

[illegible]20[illegible]

[illegible]1500[illegible]

[illegible]GDP[illegible]

500[illegible]GDP[illegible]20[illegible]90[illegible]2400[illegible]GDP[illegible][2][illegible]1500[illegible]1500[illegible]1820[illegible]GDP[illegible]6950[illegible]1990[illegible]1820[illegible]1900[illegible]GDP[illegible]1.98[illegible]1990[illegible]GDP[illegible]1870[illegible]1913[illegible]30[illegible]1914[illegible]1945[illegible]1950[illegible]GDP[illegible]5.37[illegible]1991[illegible]1992[illegible]GDP[illegible]28[illegible]A.1[illegible]

[illegible]A.1 1500—1992[illegible]GDP[illegible]

年份	全球 GDP[a]
1500	100
1820	290
1870	470
1900	823
1913	1136
1929	1540
1950	2238
1973	6693
1992	11664

□□□□□Maddison 1995□19,227

□a□□□GDP□□□□□□□□□1500□□□□□

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□□□A.2□□□□□□1500□□□□□□□□□□□120□□□□□□□□□□□□□□9□□[4]□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□A.2 1500□□□□□□GDP

年份	全球人均 GDP（以 1900 年美元计算）	指数（1500 年为 100）
1500	656	100
1820	651	117

续表

年份	全球人均 GDP（以 1900 年美元计算）	指数（1500 年为 100）
1900	1263	224
1950	2138	378
1992	5145	942

[illegible]Maddison 1995[illegible]228

[illegible]1500[illegible]9[illegible]1900[illegible]4[illegible]1500[illegible]500[illegible]20[illegible]“[illegible]”[illegible]creative destruction[illegible][5][illegible]30[illegible]

[illegible]

[illegible]1900[illegible]

[illegible]8000[illegible]200[illegible]2000[illegible][6][illegible]10[illegible]1000[illegible]1%[illegible]2[illegible]3[illegible]1500[illegible]4[illegible]5[illegible]1500[illegible]0.1%[illegible]1500[illegible]1730[illegible]7[illegible][7][illegible]1820[illegible]10[illegible]A.3[illegible]

[illegible]A.3 1820[illegible]

年份	人口（单位：10亿）	年增长率（%）
1820	1	—
1850	1.2	0.5（1820—1849）
1900	1.6	0.6（1850—1899）
1950	2.5	0.8（1900—1949）
1990	5.3	1.8（1950—1989）
2000	6.0	1.5（1990—1999）

[illegible]Cohen 1995[illegible]79 and app.2

18[illegible]1950[illegible]50[illegible]100[illegible]20[illegible][8] 20[illegible]20[illegible]

[illegible][9] [illegible]400[illegible]800[illegible]800[illegible]2.16[illegible]2.16[illegible]28%[illegible]1750[illegible]20%[illegible]1900[illegible]13%[illegible]1950[illegible]20[illegible]0.00025%[illegible]400[illegible]100[illegible]1/5[illegible]

[illegible]

[illegible]1820[illegible]

[illegible]

biomass

“”

[10] efficiency ratings 18% 100 18 10%

[11] “” somatic energy regime

shifting agriculture 10 settled agriculture 10 positive energy regime 1000 1800 [12]

[illegible] 20 [illegible] direct solar energy [illegible]

[illegible] flywheel [illegible]

[illegible]

[illegible] 1000 [illegible] [13] [illegible]

[illegible] “[illegible]” [illegible] exosomatic energy regime [illegible] 1800 [illegible]

[illegible] [14] [illegible] 18 [illegible]

[illegible] 99% [illegible] 1800 [illegible] 5% [illegible] 20 [illegible] 200 [illegible] 1900 [illegible] 1800 [illegible] 30 [illegible] 19 [illegible] 1800 [illegible] 1000 [illegible] 1900 [illegible] 100 [illegible] [15]

[illegible]1900[illegible]·[illegible]James Young[illegible]19[illegible]50[illegible]·[illegible]Edwin Drake[illegible]1859[illegible]1880[illegible]

[illegible]1900[illegible]19[illegible]90[illegible]20[illegible]A.4[illegible]A.5[illegible]20[illegible][16][illegible]1890[illegible]“[illegible]”[illegible]

[illegible]A.4 [illegible]1800—1990[illegible]

燃料种类	产量（百万吨）		
	1800	1900	1990
生质燃料	1000	1400	1800
煤炭	10	1000	5000
石油	0	20	3000

[illegible]Smil 1994[illegible]187

[illegible]1[illegible]1[illegible]5[illegible]2[illegible]

[illegible]A.5 [illegible]1800—1990[illegible]

	1800	1900	1990
总量（单位：百万吨油当量）	250	800	10000
指数（1900 年为 100）	31	100	1250

[illegible]Smil 1994[illegible]187

[illegible]19[illegible]5[illegible]20[illegible]1950[illegible] [17] [illegible]16[illegible]1000[illegible]20[illegible]1900[illegible]20[illegible]1900[illegible]1000[illegible]10[illegible]1900[illegible]100[illegible]20[illegible]

[illegible]20[illegible]4[illegible]5[illegible]20[illegible]90[illegible]“20[illegible]”[illegible]20[illegible]365[illegible]24[illegible] [18]

[illegible]2[illegible]3[illegible]1950[illegible]20[illegible]90[illegible]50[illegible]100[illegible]75[illegible]20[illegible]60[illegible]

[illegible]19[illegible]60[illegible]20[illegible]

[illegible]

[illegible]19[illegible]20[illegible]14[illegible]4[illegible]4[illegible]19[illegible]5[illegible]20[illegible]16[illegible]

[illegible]18[illegible]1550[illegible]1850[illegible]

[illegible]18[illegible]60[illegible]

[illegible]1950[illegible]

[illegible]20[illegible]1900[illegible]20[illegible]

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[1] Frank,1947.

[2] [illegible]1990[illegible]-[illegible]Geary-Khamis dollar[illegible]Maddison 1995[illegible]19[illegible]

[3] [illegible]1820[illegible]

[4] [illegible]1500[illegible]GDP[illegible]120[illegible]GDP[illegible]9[illegible]13[illegible]1500[illegible]

[5] [illegible]·[illegible]Joseph Schumpeter[illegible]20[illegible]

[6] Cohen 1955[illegible]77.

[7] 18[illegible]Livi-Bacci 1992[illegible]

[8] [illegible]Cipolla 1978[illegible]89[illegible]

[9] Biraben 1979[illegible]16[illegible]Bourgeois-Pichat 1988[illegible]Livi-Bacci 1992[illegible]32–3[illegible]Westing 1981[illegible]500[illegible]Keyfitz 1996[illegible]690[illegible]Haub 1995[illegible]1050[illegible]Westing[illegible]30[illegible]Keyfitz[illegible]100[illegible]

[10] [illegible]gravitational energy[illegible]

[11] [illegible]Cipolla 1978[illegible]35–69[illegible]Debeir et al.1986[illegible]Smil 1994[illegible]

[12] Smil 1994[illegible]226[illegible]Cipolla 1978[illegible]53[illegible]80%[illegible]85%[illegible]

[13] [illegible]1[illegible]1[illegible]

[14] Sϕrensen 1995[illegible]392–404[illegible]

[15] Smil 1994[illegible]186[illegible]Cipolla 1978[illegible]56[illegible]1800[illegible]1500[illegible]1900[illegible]7.01[illegible]

[16] 1994□□□□□□□□□□40%□□□27%□□□23%□□□□7%□□□3%□□□□□□□□□□□□□□□□□□□□□□□□1%□WRI 1996□276–7□□□□□□□□□□□□□□□□□□□□□□□20□□90□□□□□□□□□□□□□□□□□□□□□□25□□

[17] □□□□□□1800□□□□□□□□□□□□□□80□□Starr 1996□244□□□□□□□□□□1850□□□□□□50□□Levi-Bacci 1992□28□□□□□Smil□□□

[18] □□

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[illegible]6[illegible]

[illegible]20[illegible]1900[illegible]——[illegible]

[illegible][1]

[1] Turner nt al 1990[illegible]393–466[illegible]

[illegible]1[illegible] [illegible]

[illegible]

——[illegible]Virgil[illegible]*Georgics*[illegible]

[illegible]20[illegible]geological agent[illegible]

[illegible][1][illegible]20[illegible]

[illegible]

[illegible]120[illegible]——[illegible]

[illegible][2]

[illegible]

[illegible]

[illegible]20[illegible]19[illegible]“[illegible]”[illegible]superphosphate[illegible]

[illegible]1842[illegible]·[illegible]John Lawes[illegible]1814—1900[illegible]1888[illegible]1921[illegible]Kolal Peninsula[illegible]1930[illegible]1937[illegible][3][illegible]20[illegible]

[illegible]20[illegible][4][illegible]19[illegible]1909[illegible]Fritz Haber[illegible]·[illegible]Karl Bosch[illegible]—[illegible]

[illegible]1868[illegible]Silesia[illegible]Breslau[illegible]1892[illegible]30[illegible]Karlsruhe[illegible]

[illegible]1900[illegible]1/3[illegible]nitrogen fixation[illegible]—[illegible]1918[illegible]—[illegible][5]

[illegible]1916[illegible]1919—1926[illegible]1933[illegible]20[illegible][6][illegible]·[illegible]Jonathan Swift[illegible]1726[illegible]“[illegible]”[illegible]200[illegible][7]

[illegible]—[illegible]1929—1938[illegible]1940[illegible]400[illegible]1965[illegible]4000[illegible]1990[illegible]1.5[illegible][8][illegible]

[illegible]20[illegible]30%[illegible][9][illegible]1950—1985[illegible]20[illegible]60[illegible]1970[illegible]

[illegible]eutrophication[illegible]5[illegible]“[illegible]”[illegible][10]

[illegible]1950[illegible]——[illegible]2/3[illegible]

[illegible]

20[illegible]

[illegible]20[illegible]20[illegible]1875—1975[illegible]20[illegible][11][illegible]

[illegible]1868[illegible]19[illegible]20[illegible]1926[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1950[illegible]1973[illegible]1980[illegible]10%[illegible]20[illegible][12]

[illegible]20[illegible]70[illegible]Sadbury[illegible]400[illegible]1970[illegible]20[illegible]80[illegible]Hesse[illegible][13]20[illegible]10[illegible]100[illegible]20[illegible]70[illegible]3000[illegible]20[illegible][14]

[illegible]19[illegible]20[illegible]1900[illegible]1000[illegible]15[illegible][15][illegible]1940[illegible]1982[illegible]350[illegible]1940[illegible]1950[illegible]50%[illegible]70%[illegible]

[illegible]1980[illegible]1936[illegible]80%[illegible]85%[illegible][16][illegible]1976—1980[illegible]Love Canal[illegible]1942—1953[illegible]Hooker Chemical Company[illegible]1980[illegible]1980[illegible]5[illegible]Superfund[illegible]

[illegible]20[illegible]70[illegible]1989[illegible]1989—1990[illegible]20[illegible]80[illegible]1987[illegible]20[illegible]80[illegible]90[illegible][17]

[illegible]1941[illegible][18]

1950[illegible]1975[illegible]

[illegible]

[illegible]20[illegible]1.1[illegible]20[illegible]90[illegible]20[illegible]20[illegible]90[illegible]1/10[illegible][19][illegible]1990[illegible][20]

□1.1 □□□□□□□□□□□□

	单位：10 亿吨
风蚀	1.0
冰河	4.3
造山运动	14
海底火山 [a]	30
人为 [b]	42
水 [c]	53

□□□□Hooke 1994

□a□□□□□□□□□□□□□□□

□b□Hooke□□□400□□450□□□□□□□□□

□c□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□140□□□□□□□□□□□□□
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□□ □□□□□□□□□□□□□□□□□□□□□□□□□□1820□□□□□□□□□□□□□□□□□□□□□□□□1—3□□□□□□□□□10—12□□□□□□□□□□□□1870□□1.2□□1800□□1000□□□19□□□□□10□□□20□□□□□6□7□□19□□90□□□20□□50□□□□□□□□□□□□□□□□□1980□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1890□□□□□□□□□□1930□□□□□□□□□20□□90□□□1980□□□□□□□□□□□□□□□□□□□□□□□□[21]□□20□□□□□□□□□□□□□□40□□□□□□□□□□□□4□5□□[22]

□1.2 1850—1995□□□□□□

年份	产出（单位：百万吨）	指数（1900 年为 100）
1800	10	1.3
1850	76	10
1875	283	37
1900	762	100
1925	1358	178
1950	1800	236
1975	3257	427
1995	5000	656

[illegible]Headrick 1990[illegible]60[illegible]Erickson 1995[illegible]78[illegible]Smil 1994[illegible]186[illegible]

[illegible][23][illegible]1966[illegible]Sacramento River[illegible]1800—1909[illegible]10[illegible]Perak River[illegible]Clutha River[illegible][24][illegible]New Caledonia[illegible]

[illegible]1840[illegible]1853[illegible]20[illegible]1/4[illegible]1/3[illegible]

[illegible]1926[illegible]1994[illegible]1890—1990[illegible]Société le Nickel,SLN[illegible]5[illegible]1[illegible]250[illegible]

[illegible]Kanak[illegible]20[illegible]30[illegible]



[illegible]1944[illegible]Chuquicamata[illegible]20[illegible]1980[illegible]

1950[illegible]40[illegible]1960[illegible]10[illegible]1976[illegible]100[illegible]20[illegible]80[illegible]10[illegible][25]

[illegible]1880[illegible]1960[illegible]Bougainville[illegible]Panguna[illegible]1980[illegible]Ok Tedi[illegible]1980[illegible]Irian Jaya[illegible]Freeport[illegible][26][illegible][27]

[illegible]60%[illegible]80%[illegible][28]

[illegible]Miletus[illegible][29]

[illegible][30][illegible]2000[illegible]1000[illegible]

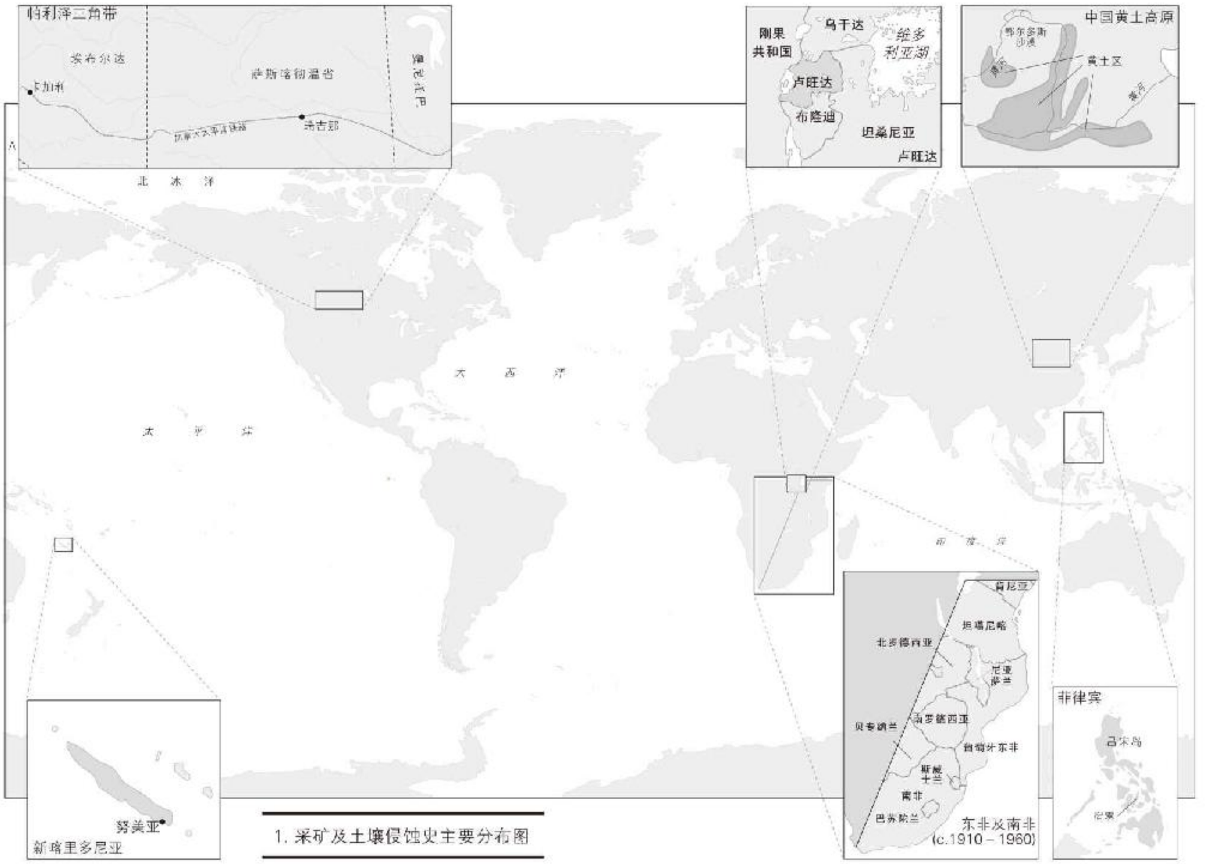
[illegible]4000[illegible]300[illegible]3000[illegible][31][illegible]11[illegible]2000[illegible]20[illegible]17[illegible]1990[illegible]22[illegible][32]

[illegible]1492[illegible]1650—1700[illegible][33][illegible]1840[illegible]6000[illegible]

[illegible]（Maghreb）[illegible][34][illegible][35][illegible]

[illegible]

[illegible]（Rhodesia）[illegible]1890[illegible]“[illegible]”[illegible]1918[illegible]20[illegible]30[illegible]·[illegible]（Jan Smuts）[illegible]“[illegible]”[36][illegible]25[illegible]



1. 采矿及土壤侵蚀史主要分布图

[illegible]1920[illegible]

[illegible]（cultural attachment）[illegible]1890—1960[illegible][37][illegible]

[illegible]1870[illegible]

[illegible][38]

[illegible]Palliser Triangle[illegible]Alberta[illegible]Saskatchewan[illegible]Manitoba[illegible]1857[illegible]·[illegible]John Palliser[illegible]1885[illegible]1897[illegible]1901—1915[illegible]15[illegible]Rudyard Kipling[illegible]1907[illegible]“[illegible]”[illegible]Nineveh[illegible][39][illegible]1915[illegible]1916[illegible]

[illegible]20[illegible]20[illegible]20[illegible]30[illegible]300[illegible]400[illegible]“[illegible]”[illegible]1934[illegible]“[illegible]”[illegible]Canadian Commonwealth Federation[illegible]Canadian Commonwealth[illegible][40]

20[illegible]20[illegible]30[illegible]19[illegible]G.V.Jacks[illegible]R.O.Whyte[illegible]“1914—1934[illegible]”[illegible][41]

[illegible]1930[illegible]20[illegible]50[illegible]60[illegible]

[illegible]

[illegible]20[illegible]“[illegible]”[illegible][42][illegible]20[illegible]30[illegible]1934[illegible]

[illegible]20[illegible]50[illegible]20[illegible]90[illegible]1925—1935[illegible][43][illegible][44]

[illegible]20[illegible]50[illegible]1950[illegible]

1945[illegible][45][illegible]

[illegible]1800[illegible]1898[illegible]

[illegible]1898[illegible]1860—1900[illegible]1920[illegible]1950[illegible]“[illegible]”[illegible]contour plowing[illegible]20[illegible]70[illegible]

[illegible]1946[illegible]1960[illegible]1989[illegible]

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□□□4000□□□□□□□□□□□□□□□□□□□□□□□□□□□□1800□□20□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1.3□□

□1.3 1910—1996□□□□□□□□

年份	密度（人／平方千米）
1910	50—60
1932	51
1948	80
1978	180
1992	270
1996	260[a]

□□□□□Bart 1993□Derenne 1988□□□□□1996

□a□□□□□□□□□□□□□□□□□□□□□□□□□□□□□10%□

□□□□□□□□□□1919□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Hutu□□□20□□20□□□30□□□1915□□□□□□□□□□□□□□□“□□□□□□”□[47] 20□□50□□

1961□□□□□□□□□□□□□□□□□□□□3%□□□20□□80□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1994—1996

[illegible] [48]

[illegible]Machakos Hills[illegible]Nairobi[illegible]1930[illegible]1930—1990[illegible]3[illegible]6[illegible]20[illegible]70[illegible]Akamba[illegible] [49]

[illegible]1960[illegible]8000[illegible]1930[illegible] [50] [illegible]

[illegible]1930[illegible]soil compaction[illegible]1950[illegible]20[illegible]20[illegible]90[illegible] [51] 1960[illegible]5[illegible]1990[illegible]7%[illegible]100[illegible]1945—1990[illegible]1950[illegible]“[illegible]”[illegible]salt creep[illegible] [52] [illegible]20[illegible]1945—1975[illegible] [53] [illegible]runoff[illegible]

[illegible]

□□□1/3□□□□□□□□□□□□□□□□□□□□□□□□□□□□□20□□□□□□□□□□□□□□□□□□□□□□□□□□1/4□□□4.3□□□□□□□□□□□□□□□□7□□□□□□□□□□“□□□□□□”□[54]□□□□□□□□□□□□□□□□□□□1978□□□□□□□□□□□□□□31%□□□□□[55]□□□□□□□□□□□9□□□□□□□□□□□□□□□□□□1960□□□□□□□□□□□□□□□□□20□□□□□□□□□□□□□1000□□□□□□□□□□□□□□□□□□□17□□□□□□1982□□40%□□□□□□□□□□□□□□□□□□[56]□□□□1994□□□□□□□□□□□□□□150□□□□□□□□□□□□□□□□□[57]□□□□□□□□□UNFAO□□1991□□□□□□□□□□□□□□□□□□0.3%□0.5%□□□□□□□□□□□20□□□□□□□□□□□□□□□□□[58]□□□□□□□□□□□□□□□□□□□□□□□□□□[59]

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□□□20□□90□□20□□□1900□□□□□□□□□□□□97%□□□□□□□□□□□[61]□□□

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[1] □□□□□□Pimentel et al.1995□1118–9□

[2] Hillel 1991□23–30□Rozanov et al.1990□203–5□Stanners and Bourdeau 1995□147–8□□□geosphere□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[3] Smil 1990□431□1994□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1995□10–11□□

[4] □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[5] □□□□□□□□20□□20□□□□□□□□□□□□□□□□□□□□□□□□□□Friedrich 1993□□

[6] Smil 1994□182□189–90□□Smil 1993□165□□□□□□□□□□□Goran 1967□□□□□□□□□□1925□□□□□□IG Farben□□□□□□1931□□□□□□□□□□□

[7] Hillel 1991□129□132□

[8] □□□Brown et al.1996□9□Solbrig□Solbrig 1994□215□

[9] □□Smil 1993□165□□□□□□□□□□□□□□□□□□1/3□1/4□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[10] Wes Jackson□□□□□□Opie 1993□257□Olson 1987□220–21□□

[11] German Advisory Council on Global Change 1995□86□

[12] Asami 1983□1988□

[13] German Advisory Council on Global Change 1995□84□

[14] Asami 1983□Kitagishi□Yamane 1981□Logan 1990□Nriagu 1990a□1996□1980□□□3:1□□□7:1□□□25:1□□□□11:1□Brown et al.1990□439□□□□□□□□□□□□□□□Mielke et al.1983□

[15] Tolba and El-Kholy 1992□249□□□□□10□□□□□□□□Prager 1993□□□8□□□

[16] Colten 1994□

[17] J.Clapp 1994□□20□□80□□□□□□□3000□□□4500□□□□□20%□□□□□□□□Prager 1993□□

[18] □□□□□□□1□□□□□□□□□□330□□□□□□□□□□□□□□□1700□□3700□□□□□□75□□□□□□USDOE 1995□□□□□□□□□□□□□□□□□□German Advisory Council on Global Change 1995□175□

[19] □□□□□□□□1900□□□2000□□1/4□□□□□1/14□□□□□□□□□□□□□□□□

[20] Sherlock 1931□238□

[21] Nir 1983□70□

[22] Hooke□□□Monastersky 1994□Ryabchikov 1975□142□□□□□□□□□3000□□□□□□□1000□□□□□□□□□□□□□□□

[23] 1950—1990□□□□□□□□“□□”□□□□□□□□□□□□Arnold et al.1990□77□□

[24] Meade et al.1990□266□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1909□□□□□□□□□□□□□□□□□□□□□□□□□□□□8□□

[25] Dupon 1986□Winslow 1993□□1994□□□□□□□□□□□□□□□□□GNP□1/4□US Department of the Interior 1995□587□□

[26] Hyndman 1994□□□□□□□□□□□□□□□□□□□□□Fly River□□□□□□□□□□□□□□□□tailing□□□□□□□□□Jaba River□□□□□□□□□□□□□□□20□□80□□□1975□□□□□□□□□□□□□□□□□□□□

[27] □□□□□□□□□□□□□□□□□□□□□□Bingham Canyon□□Goudie 1985□□Ripley et al.1996□□□□□□□□□□□□□□□□□Young 1996□105–30□□□□□□□□□□□□□□□

[28] □□□□□□□Alexander 1993□230□Judson 1968□373□Lal and Pierce 1991a□2□□□□□□□□□□□□□□□□·□□Tim Beach□□□60%□80%□□□□□□□

[29] Meade et al.1990□

[30] □□Dregne 1982□□□□Butzer 1975□

[31] □□□□□□Fang and Xie 1994□□Ren and Walker 1998□□□□□□□□Menzies 1996□556–8□□□□□

[32] Wen 1993□73–5□Ren and Zhu 1994□□□1855□□□□□□□□□□□□50□□□1970□□□□□□□□□□□□□□□□□□Milliman et al.1987□□□Lal 1990□145□□□□□50%□□□□□□

[33] Smith and Baillie 1985□□□□□□□□□□Heine 1983□

[34] □1910□□□□□□□□□1/8□□□□□□□□□□□□□□□□□□□□□□1/6□1/10□□□□□□□□□□□□□□1870—1920□□□□10%□15%□□□□□□□□□□□□□□□□□□□□□□□□□□□60%□65%□Conzen 1990□□

[35] Butzer 1975□70□

[36] Jacks and Whyte 1939□21□□□□□□□□□□□·□□□□Elspeth Huxley□□Economist,18 January 1997□86□□

[37] Anderson 1984□Beinart 1984□Khan 1997,SADCC 1987□Showers 1989□Stocking 1985□Whitlow 1988□□□□□□□□□□□□□□□□Pletcher 1991□□□□□□Jacks and Whyte 1939□247□"□□□"□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Campbell 1991□

[38] □□□

[39] □□□Jones 1987□30□

[40] Anderson 1975□Jones 1987□Stark 1987□□□□□□□□□□□Worster 1979□20□□50□60□□□□□□□□□□□□□□□□□□□□□□□□□□□19□□90□□□□□□□□□□□□□□□□□□□□□□

[41] Jacks and Whyte 1939□213□□□□□□□□□□□□□□□□Bahre 1979□76–7□□□□□□□□□Barker and McGregor 1988□□□□□□□□□□Barrett 1997□ch.3□□□□□□□□□□□□Beach 1994□□□□□□□□□□Molina Buck 1993□□□□□□□□□□□□□Wilson and Ryan 1988□□□□□□□□□□

[42] □□□□□□□□□□□□Dregne 1982□12□

[43] Argabright et al.1996□

[44] □□□□□□□□□□□□□Dregne 1982□Grove 1990□Helms 1992□Reij et al.1996□Wen 1993□Lal 1990□132□Opie 1993□9□Pimentel 1993□4□□□□□□□□□□□□□□□□□□□□□□□□

[45] Foweraker 1981□McNeill 1988□

[46] De Bevoise 1995□Kummer 1991□41,1994□Lewis 1992□174–6,182–4□□10□□□□

[47] Bart 1993□23□

[48] Ibid.339–45□Derenne 1988□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Tutsi□□□"□□□□□"□revenge fertility□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1959□□

[49] Moore 1979□Ondiege 1996□Tiffen et al.1994□□□1974□□□□□□□□□□□□□□□□□□□□□□□□□□

[50] □Blaikie 1985□177–9□Lal 1990□133–41□Roberts 1989□168–69□□□□□□□□□□□□Grepperud 1996□□□□□□□□□Ives and Messerli 1989□□□□□□□McCreery 1989□□□□□□□□Zimmerer 1993□□□□□□□□□□Randrianarijaona 1983□□□□□□□□□

[51] Cruse and Gupta 1991□Raghavan et al.1990□

[52] Craswell 1993□268–9□Daniels 1987b□Hillel 1991□135–40□Young 1996□58–63□□1960□□□36%□□□□□□□□□□□□□□□□□□10%□25%□

[53] Pimentel et al.1993□280□

[54] Lal 1990□130□

[55] Ibid.145–6□

[56] NRC 1993a□221–2□Pimentel and Heichel 1991□115□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[57] Pimentel et al.1995□

[58] Solbrig and Solbrig 1994□231□□□

[59] Judson 1968□371□Lal and Pierce 1991a□2□□□□□2.6□□□□□□□□□□□□□□□□□□□□

[60] Judson 1968□373□

[61] 1900□□□□□Shaler 1905□139□

[illegible]2[illegible] [illegible]

“[illegible]”

[illegible]——[illegible]20[illegible]

[illegible]20[illegible]20[illegible]1900[illegible][1][illegible]20[illegible]

[illegible]

[illegible][2][illegible]100[illegible]5000[illegible]0.0003%[illegible]78%[illegible]21%[illegible]

[illegible]10[illegible]

[illegible] [3]

[illegible]5000[illegible]

1.[illegible]360ppm[illegible]ppm[illegible]“[illegible]”[illegible]33[illegible]

2.[illegible]1[illegible]15/10[illegible]ppb[illegible]1/10[illegible]500[illegible]1000ppb[illegible]

3.[illegible]50ppb[illegible]

[illegible]CFC[illegible]2.1[illegible]

[illegible]2.1 20[illegible]

气体	人为来源	对人类的重要性	人为排放（%）[a]	1900年浓度（ppb）	1990年浓度（ppb）
具有全球重要性[b]					
二氧化碳	燃烧化石燃料；砍伐森林	温室气体	≈ 100	290000	350000
甲烷	稻田、牲畜、垃圾、化石燃料、采矿	温室气体	≈ 60	900	1700

续表

气体	人为来源	对人类的重要性	人为排放（%）[a]	1900年浓度（ppb）	1990年浓度（ppb）
氯氟碳化合物	冷冻剂、喷雾剂	破坏臭氧层、温室气体	100	0	≈ 3
氧化亚氮	肥料、燃烧生质燃料、砍伐森林	温室气体、破坏臭氧层	≈ 25	285	310
具有地方性或区域性重要性					
二氧化硫	燃烧化石燃料、矿砂冶炼	酸雨	≈ 65	?	0.3-50
氧化氮	燃烧化石燃料或生物量燃料	酸雨、烟雾	≈ 65	?	0.001 ~ 50
臭氧（对流层）	汽车废气与阳光相互作用	温室气体、烟雾	50 ~ 70	10[c]	20 ~ 40[c]

□□□□Graedel and Crutzen 1989□Salstein 1995

□a□□□□□□□□□□□□□1900□□□□□□□□□□□□□□□□□□□□

□b□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□“□□□□”□□□□□□
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□□□□□□□□□□□□□[4]

□2.2 1850—1990□□□□□□□□□□□□□□□

年平均量（单位：吨）					
年份	镉	铜	铅	镍	锌
1850—1900	380	1800	22000	240	17000
1901—1910	900	5300	47000	800	39000
1911—1920	1100	8000	49000	2100	49000
1921—1930	1400	9600	110000	2100	62000
1931—1940	1700	12000	170000	4900	75000
1941—1950	2200	17000	170000	8000	96000
1951—1960	3400	23000	270000	14000	150000
1961—1970	5400	44000	370000	26000	240000
1971—1980	7400	59000	430000	42000	330000
1981—1990	5900	47000	340000	33000	260000

[illegible]Nriagu 1994

1900[illegible]

[illegible]50[illegible]

[illegible][5] [illegible]

[illegible]Hermopolis[illegible]

[illegible]Nubia[illegible][6][illegible]Horace[illegible][7][illegible]

[illegible][8][illegible]ice core[illegible]10[illegible]960—1279[illegible]15%[illegible]1[illegible]20[illegible]90[illegible]1/10[illegible]2500[illegible]1875[illegible][9][illegible]1000[illegible]Maimonides[illegible]1135—1204[illegible]Córdoba[illegible]“[illegible]”[illegible]“[illegible]”[illegible][10]

[illegible][11][illegible][12][illegible]

[illegible]13[illegible]16[illegible]17[illegible]——[illegible][13]

[illegible]

[illegible]

[illegible][14]

[illegible]·[illegible]Robert Southey[illegible]1808[illegible]“[illegible]”[illegible][15]

1780[illegible]1870[illegible]10[illegible][16][illegible]“[illegible]”[illegible]Black Country[illegible]Swansea[illegible]1/4[illegible]20[illegible]90[illegible]4[illegible]7[illegible][17]

1900[illegible]

20[illegible]1900[illegible]20[illegible]60[illegible]1990[illegible]“[illegible]”[illegible][18][illegible]

[illegible]19[illegible]1800—1920[illegible]20[illegible]10[illegible]20[illegible][19]

[illegible][20][illegible]W.P.Rend[illegible]1892[illegible]“[illegible]”[21][illegible]

[illegible]

[illegible]

[illegible][22]

[illegible]1920[illegible]1929[illegible]1946—1948[illegible]1948[illegible]1970[illegible]1950[illegible]20[illegible]60[illegible]70[illegible]1978[illegible]1980[illegible][23]

[illegible]1850[illegible]1890[illegible][24][illegible]

20[illegible]1921[illegible][25][illegible]20[illegible]20[illegible]1950[illegible]1950—1975[illegible]1960[illegible]1997[illegible]200[illegible]1910[illegible]100[illegible]1930[illegible]5000[illegible]1955[illegible]1[illegible]1985[illegible]5[illegible]1995[illegible]7.77[illegible][26][illegible]1950—1990[illegible]4[illegible]1.9[illegible]20[illegible]70[illegible][27][illegible]5%[illegible][28]

20[illegible]1945—1980[illegible]

[illegible]1920[illegible]1910[illegible]1950[illegible]1945—1973[illegible]

[illegible]20[illegible]40[illegible]1940[illegible]1966[illegible]1970[illegible]1980[illegible]1990[illegible]

[illegible]Ruhr[illegible]1960[illegible]“[illegible]”[illegible]greenfield[illegible] [29] [illegible]

[illegible]1921[illegible]·[illegible]Thomas Midgley[illegible]3[illegible]“[illegible]”[illegible]Dayton[illegible]25[illegible]6[illegible]1/3[illegible]1920[illegible]DuPont[illegible]tetraethyl lead[illegible]20[illegible]70[illegible]1967[illegible] [30] 1970[illegible]1975[illegible]1972[illegible]1987[illegible] [31] [illegible]20[illegible]70[illegible]20[illegible]80[illegible]20[illegible]90[illegible]

1977—1994[illegible]95%[illegible]20[illegible]80[illegible]20[illegible]90[illegible] [32] [illegible]

1945[illegible]1975[illegible]1920—1970[illegible]1970[illegible]20[illegible]1950[illegible]1990[illegible]70%[illegible]95%[illegible]20[illegible]1/8[illegible] [33]

[illegible]20[illegible]90[illegible]1900[illegible]5[illegible][34][illegible]20[illegible]60[illegible]20[illegible]40[illegible]1950[illegible]1970[illegible]20[illegible]2.3[illegible]

[illegible]2.3 20[illegible]1900—1990[illegible]

污染物	影响地区	增加率	数据源
铜	全球	5	1
铅	全球	7	1
锌	全球	5	1
氧化氮	美国	9	2
氧化氮	全球	14	3
挥发性有机化合物	美国	2.7	2
二氧化硫	美国	2.2	2
二氧化硫	欧洲	2	4
二氧化硫	承德（中国北部）	10	5
二氧化硫	全球	5	6
臭氧[a]	欧洲	5	4
甲烷	全球	3.5	7

[illegible]1[illegible]Nriagu 1996[illegible]2[illegible]USEPA 1995[illegible]3[illegible]Smil 1990[illegible]4[illegible]Graedel and Crutzen 1990[illegible]5[illegible]Jiang 1996[illegible]6[illegible]Husar and Husar 1990[illegible]RIVM 1997[illegible]UNEP 1997[illegible]225[illegible]7[illegible]Stern and Kaufman 1996

[illegible]a[illegible]Graedel and Crutzen 1989[illegible]1890—1989[illegible]2[illegible]4[illegible]

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[illegible]13[illegible]1952[illegible]12[illegible]4—10[illegible]4000[illegible]the Strand[illegible]

[illegible] 1900 [illegible] 660 [illegible]
[illegible] 1870—1900 [illegible] 1873 [illegible]
[illegible] 1879—1880 [illegible] 3000 [illegible]
[illegible] 1892—1948 [illegible] 1909 [illegible]
[illegible] 1063 [illegible] 1930 [illegible] 70 [illegible] 100 [illegible] [36]
[illegible] 1950 [illegible]
[illegible] 1950 [illegible]
[illegible] 1945 [illegible] · [illegible]

1952 [illegible] 12 [illegible] 4—10 [illegible] 4000 [illegible]
[illegible] 20 [illegible] 1918 [illegible]
[illegible] 1956 [illegible] *Clean Air Act* [illegible]
[illegible] 1956 [illegible]
1972 [illegible] 90% [illegible] 1962—1988 [illegible] 20 [illegible] 60
[illegible] 20 [illegible] 50 [illegible]
[illegible] [37]

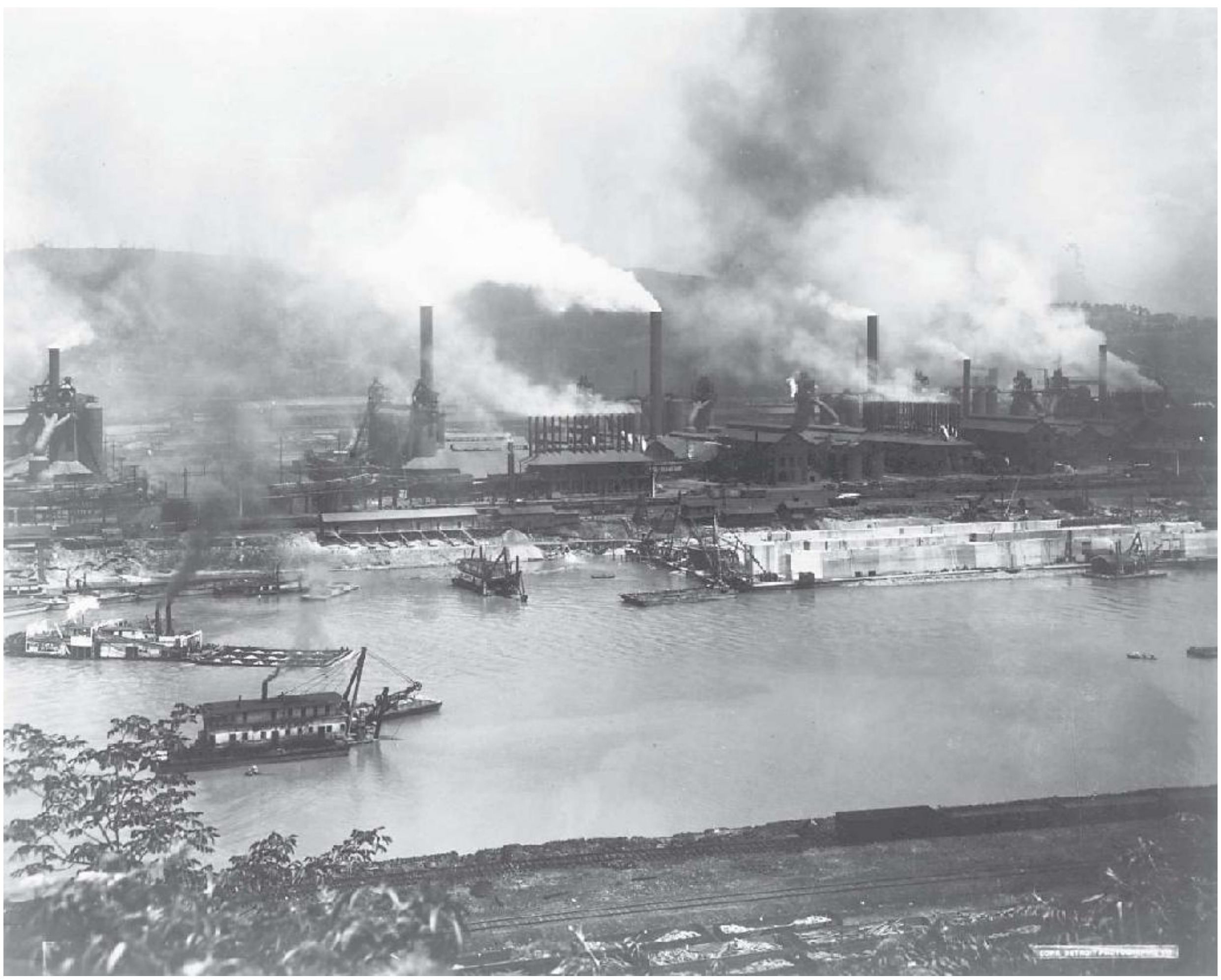
[illegible] 1850—1900 [illegible]
[illegible] bituminous coal [illegible]
1868 [illegible] 1940 [illegible]
[illegible] 1861 [illegible] · [illegible] · [illegible] Rebecca Harding Davis [illegible]
[illegible] *Life in the IronMills* [illegible]

> [illegible] [38]

[illegible] Wheeling [illegible] 1919 [illegible]
· [illegible] Waldo Frank [illegible] “ [illegible]

[illegible]” [39] [illegible]
[illegible]

[illegible]1758[illegible]1865[illegible]Allegheny[illegible]1866[illegible]10[illegible]“[illegible]”[illegible][40] [illegible]1884[illegible]30[illegible]300[illegible]5%[illegible]1887—1891[illegible]·[illegible]Andrew Carnegie[illegible]1898[illegible]19[illegible]90[illegible]20[illegible]40[illegible]



[illegible]·[illegible]1905[illegible]

[illegible]1940[illegible]1941[illegible]1940[illegible][41][illegible]1941[illegible]1946[illegible]1947[illegible]1953[illegible]1887[illegible]1891[illegible][42][illegible]20[illegible]50[illegible]60[illegible]20[illegible]70[illegible]1985[illegible]



1948[illegible]10[illegible]Donora[illegible]20[illegible]1956[illegible]“[illegible]”[illegible]20[illegible]50[illegible]



[illegible]1949[illegible]1970[illegible]

[illegible]1900[illegible]1930[illegible]——[illegible]1940[illegible]1950[illegible][43]

[illegible]

“[illegible]”[illegible]Smog[illegible]1905[illegible]smoke[illegible]fog[illegible]

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□□□thermal inversion□□□□□□□□□□□□□□□□[45]□□□

[illegible]1900[illegible]10[illegible]1930[illegible]140[illegible]1960[illegible]600[illegible][46] [illegible]1920[illegible]20[illegible]40[illegible]1950—1990[illegible]4[illegible]1100[illegible]

[illegible]20[illegible]40[illegible]·[illegible]Raymond Tucker[illegible]1947[illegible]60[illegible]80[illegible]50[illegible]20[illegible]70[illegible]1976[illegible]20[illegible]90[illegible][47]

[illegible] [illegible]2500[illegible]to nephos[illegible]“[illegible]”[illegible]

1834[illegible]1830—1920[illegible]1.5[illegible]50[illegible]Anatolia[illegible]20[illegible]60[illegible]200[illegible]1980[illegible]300[illegible]1/3[illegible]

[illegible]Piraeus[illegible]1960[illegible]1950[illegible][48]

[illegible]1920[illegible]1931[illegible]1940—1949[illegible]lignite[illegible][49] [illegible]1965[illegible]

1955[illegible]1997[illegible]1965[illegible]1983[illegible][50] [illegible]1975

[illegible]20[illegible]90[illegible]

[illegible]20[illegible]30[illegible][51][illegible]“to nephos”[illegible]20[illegible]70[illegible]1977[illegible]1975[illegible]1987[illegible]2000[illegible]20[illegible]80[illegible]1900—1940[illegible][52][illegible]

To nephos[illegible]1981[illegible]PASOK[illegible]1982[illegible]1983[illegible]1983[illegible][53][illegible]20[illegible]90[illegible][54][illegible]20[illegible]90[illegible]2[illegible]6[illegible][55]

[illegible]

[illegible]

1950[illegible]1950[illegible]1997[illegible]20[illegible]

[illegible] [illegible]1325[illegible]Tenochtitlán[illegible][56][illegible]11[illegible]5[illegible]50%[illegible]80%[illegible]2200[illegible]

[illegible]1803[illegible]·[illegible]·[illegible]Alexander von Humboldt[illegible]

[57] 1900□□□□□□35□□□□□□□□□□□□□□□2.4□□□□20□□□□□□□□□6□□

□2.4 □□□□□□□1900—1997□□

年份	人口（单位：万）
1900	35
1920	47
1940	180
1960	520
1980	1400
1997	≈ 2000

□□□□Ezcurra 1990b□Mitchell 1993a

□□□□□□□□□□□1930□□□□□□□□□□□7%□□□1980□□□□30%□□□□□□□□□□□□□□□□□□□□□□1910—1920□□□□□□□□□□□□□□□□□□1990□□□□□□3□□□□□□□4000□□□□□□□□□□□□□□□□□□□[58]

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[illegible][61][illegible]20[illegible]60[illegible]1993[illegible]1/3[illegible]1985[illegible]Zócalo[illegible][62]

[illegible]1978[illegible]1986[illegible]1988[illegible]1989[illegible]1991[illegible]

[illegible]1990[illegible]1990[illegible]1991—1995[illegible][63][illegible]

[illegible][64][illegible]19[illegible]20[illegible]1997[illegible]1500[illegible]1903[illegible]

[illegible]1900[illegible]100[illegible]1950[illegible]500[illegible]1980[illegible]1947—1948[illegible]1970—1971[illegible]1880[illegible]20[illegible]40[illegible]

[illegible]18[illegible]1855[illegible]20[illegible]20[illegible]2500[illegible]

[illegible]1863[illegible]Lord Curzon[illegible]1859—1925[illegible]1903[illegible]“[illegible]”[illegible][65][illegible]1906[illegible]1912[illegible]

[illegible]90%[illegible]20[illegible]20[illegible]

“[illegible]”[66] [illegible]1911[illegible]

[illegible]20[illegible]20[illegible]1950[illegible]20[illegible]70[illegible]25%[illegible]20[illegible]70[illegible]3[illegible]10[illegible]1975[illegible]20[illegible]80[illegible]2/3[illegible]1990[illegible]200[illegible]

[illegible]1980[illegible]1980[illegible]6[illegible]1992[illegible]50[illegible]1991[illegible]

[illegible]1970[illegible]20[illegible]90[illegible][67]

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[illegible] 20[illegible]20[illegible]3[illegible]1920[illegible]1980[illegible]

[illegible]20[illegible]60[illegible]1970[illegible]100[illegible]1973[illegible]1990[illegible]400[illegible]50[illegible]20[illegible]90[illegible][68]

[illegible]Serra do Mar[illegible]Cubatão[illegible]São Paulo[illegible]Santos[illegible]1950[illegible]20[illegible]60[illegible]70[illegible]1980[illegible]10[illegible]40%[illegible]7%[illegible]“[illegible]”[illegible]10[illegible]35%[illegible]1980[illegible]“[illegible]”[illegible][69][illegible]Villa Parisi[illegible]1986[illegible][70][illegible]

[illegible]1964—1985[illegible]1984[illegible]1987[illegible]20%[illegible]30%[illegible]20[illegible]90[illegible][71]

[illegible]20[illegible]30[illegible]

[illegible]

[illegible]1950[illegible]1998[illegible]18[illegible]10[illegible][72][illegible]

[illegible]Caracas[illegible]

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[1] [illegible]“[illegible]”[illegible]

[2] Turco 1997[illegible]

[3] [illegible]10[illegible]10[illegible]45[illegible]Salstein 1995[illegible]

[4] Nriagu 1994.

[5] [illegible]Brimblecombe 1995[illegible]1982[illegible]

[6] [illegible]734[illegible]King Piankhy[illegible]M.Lichtheim,Ancient Egyptian Literature.III.The Late Period[illegible]Berkeley[illegible]University of California Press,1980[illegible]cited in Brimblecombe 1995[illegible]

[7] Mamane 1987.

[8] [illegible]Weeber 1990[illegible]

[9] Hong et al.1996[illegible]Gorres et al.1995[illegible]Nriagu 1990a and 1996[illegible]

[10] Turco 1997[illegible]137[illegible]

[11] [illegible]Sumava Mountains[illegible]1640[illegible]Veseley et al.1993[illegible]11[illegible]Hartwell 1967[illegible]

[12] Hartwell 1967[illegible]500[illegible]11[illegible]1126[illegible]13[illegible]

[13] John Evelyn,Fumiugium[illegible]1661[illegible]Brimblecombe 1987[illegible]47–8[illegible]

[14] [illegible]Peter Bell the Third,pt.2,stanza 1[illegible]

[15] Grimmett and Currie 1991[illegible]5[illegible]

[16] Clapp 1994[illegible]20[illegible]1[illegible]2%[illegible]4%[illegible]

[17] Clapp 1994[illegible]64–68[illegible]1/5[illegible]“[illegible]”[illegible]68[illegible]1840—1900[illegible]140[illegible]10%[illegible]80[illegible]Mitchell 1978[illegible]1840—1900[illegible]2800[illegible]20[illegible]90[illegible]Hall 1995[illegible]Murray and Lopez 1996,summary[illegible]28[illegible]

[18] Walsh 1990[illegible]217[illegible]WRI 1996[illegible]86[illegible]

[19] 1911[illegible]U.S.Geological Survey[illegible]5[illegible]Rosen 1995[illegible]354[illegible]Cioc 1998[illegible]

[20] [illegible]Stradling 1996[illegible]Platt 1995[illegible]Tarr and Zimring 1997[illegible]Brimblecombe and Bowler 1992[illegible]Morris-Suzuki 1994[illegible]

[21] Rosen 1995[illegible]385–6[illegible]

[22] Tsuru 1989[illegible]19.

[23] Fang and Chen 1996[illegible]Srinanda 1984.

[24] Locke and Bertine 1986[illegible]1850[illegible]1890[illegible]1890[illegible]

[25] [illegible]1980[illegible]2/3[illegible]47%[illegible]39%[illegible]20[illegible]80[illegible]13%[illegible]Walsh 1990[illegible]217–8[illegible]

[26] [illegible]Walsh 1990[illegible]1995[illegible]22 June 1996[illegible]

[27] [illegible]OECD[illegible]1970[illegible]1990[illegible]7[illegible]10%[illegible]OECD 1995[illegible]40,46[illegible]

[28] [illegible]Living with the Car[illegible]22 June 1996[illegible]

[29] [illegible]1000[illegible]

[30] Thomas 1995[illegible]305.

[31] 1949—1970[illegible]1000[illegible]Satake et al.1996[illegible]

[32] [illegible]Nriagu 1990a,1990b[illegible]Rosner and Markowitz 1985[illegible]USEPA 1995[illegible]Shen et al.1996[illegible]Nriagu,et al.1996a[illegible]1996b[illegible]1990[illegible]1820[illegible]Tolba and El-Kholy 1992[illegible]17[illegible]1948—1968[illegible]80%[illegible]

[33] [illegible]MacDonald et al.1993[illegible]

[34] [illegible]1[illegible]1970[illegible]2[illegible]

[35] [illegible]Brimblecombe 1987[illegible]Eggleston et al.1992[illegible]Stradling and Thorsheim 1999[illegible]Davidson 1979 and Tarr 1996[illegible]

[36] Zirnstein 1994[illegible]307.

[37] 1991[illegible]12[illegible]10%[illegible]17 September 1994[illegible]91[illegible]

[38] Jean Pfaelzer,ed.,1995,A Rebecca Harding Davis Reader[illegible]Pittsburgh[illegible]University of Pittsburgh Press[illegible]3.

[39] Our America[illegible]117[illegible]Cronon 1991[illegible]12[illegible]19[illegible]Cronon 1991[illegible]392[illegible]

[40] James Parton[illegible]Davidson 1979[illegible]1037[illegible]

[41] [illegible]Tarr and Zimring 1997[illegible]20[illegible]40[illegible]

[42] [illegible]30[illegible]Donora[illegible]1948[illegible]10[illegible]20[illegible]6000[illegible]1.3[illegible]Snyder 1994[illegible]

[43] Eggleston et al.1992[illegible]Powell and Wharton 1982[illegible]Schulze 1993[illegible]Stern 1982[illegible]Herz 1989[illegible]Belfast[illegible]20[illegible]90[illegible]

[44] Brimblecombe 1995.

[45] [illegible]

[46] [illegible]from Mitchell 1993[illegible]

[47] 20[illegible]90[illegible]Lents and Kelly 1993;Levinson 1992[illegible]19–26;Turco 1997[illegible]148–63;WRI 1996[illegible]68–9[illegible]1992[illegible]1970[illegible]10%[illegible]

[48] [illegible]Sorocos 1985 and Leontidou 1990[illegible]

[49] Pelekasi and Skourtos 1992[illegible]24[illegible]1997[illegible]

[50] [illegible]Pattas et al.1994[illegible]Katsoulis 1996[illegible]2[illegible]3/4[illegible]20[illegible]1990—1997[illegible]

[51] Papaioanniou 1967□□□□□□□□□□□□□□□□□Klidonas 1993□85–6□□□1931—1984□□□□□□□□□□□□

[52] Cartalis and Varotsos 1994.

[53] □□□□□□□□□□□□Pelekasi and Skourtos 1992□90–122□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Dede 1993□□□□□□□□□□□□□□□□

[54] Klidonas 1993□92–4.

[55] Mantis and Repapis 1992□Sifakis 1991□□□Moussiopulos et al.1995□□□□□□Atmospheric Environment,1995,29□3573–719□10□□□□□□□□□□□□□□□□□□□□□□1986□□□□□Viras et al.1995□□□□□□□□□□□□□Katsouyanni et al.1990 and Pantazopoulou et al.1995□□□□□□1975—1982□□□□□□□□□□□□

[56] □□□□□Ezcurra 1990a□1990b□Ezcurra and Mazari-Hiriart 1996□Levinson 1992□27–36□□□WHO/UNEP 1992□155–64□

[57] □□□□□□□□□□18□□□□□□□□□□□□□□□Garfias and González 1992□□1923□□□□□□·□□□□Alfonso Reyes□□□□□“□□□□□”□la región más transparente del aire□□1940□□□□□□□□□□□□□□20□□50□□□□□□·□□□□□Carlos Fuentes□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1937—1966□□□□□□□□□□15□□□□5□□□□□□□□□Vizcaíno Murray 1975□109,119□

[58] Garza Villareal 1985□133–94.

[59] □□□□□□□□□□□□30□70□□□□□□□□□□□900□□□□□“□□”□□□□□□□□□□□□□□□□□□□□□□□□

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[62] □□□□□□□4 March 1993□A1□□□□□□Pick and Butler 1997□202□□□□□□□□

[63] 1995□□□□□1/3□□□□□□□□□□□□□□□□□□□□□□Nemecek 1995□Guzman et al.1996□□□20□□90□□□□□□□Lacy 1993□Restrepo 1992□Simon 1997□77–82□

[64] □□□□□□□□□Anderson 1995□WHO/UNEP 1992□91–98□Centre for Science and Environment 1982□74–90□

[65] Anderson 1995□313□□□□

[66] Anderson 1995□323.

[67] □□WHO/UNEP 1992□

[68] Türkiye Çevre Sorunlari Vakfi1991 □ 50–58□Levin son 1992 □ 42–48□Tunceland Ungör 1996.

[69] □□Findlay 1988 and Levinson 1992□□□□□□□□□□

[70] Bohm et al.1989.

[71] Findley 1988 □ 52–68□Klumpp et al.1996□Levinson 1992 □ 37–42 □ Dean 1995□324–9□□□□□□□□□□□□□□□

[72] Turco 1997□4□1995□□□□□Dietrich Schwela□□□□11□□□□□□□□□□□□WRI 1996□1□□

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[illegible]19[illegible]Donetsk[illegible]Magnitogorsk[illegible]Katowice[illegible]1975[illegible]20[illegible]“[illegible]”[illegible]

[illegible][6][illegible]1500[illegible]Emscher[illegible]1850[illegible]1910[illegible]1.1[illegible]40[illegible]Krupp[illegible]Thyssen[illegible][7]1900[illegible]

1923[illegible]1923[illegible]1923[illegible]



[illegible]Duisburg[illegible]
[illegible]1952[illegible]
[illegible]1961[illegible]1980[illegible]

[illegible]20[illegible]20[illegible]1929[illegible]Solingen[illegible]18[illegible]1880[illegible]1930[illegible]1944—1945[illegible]1945—1948[illegible]20[illegible]50[illegible]

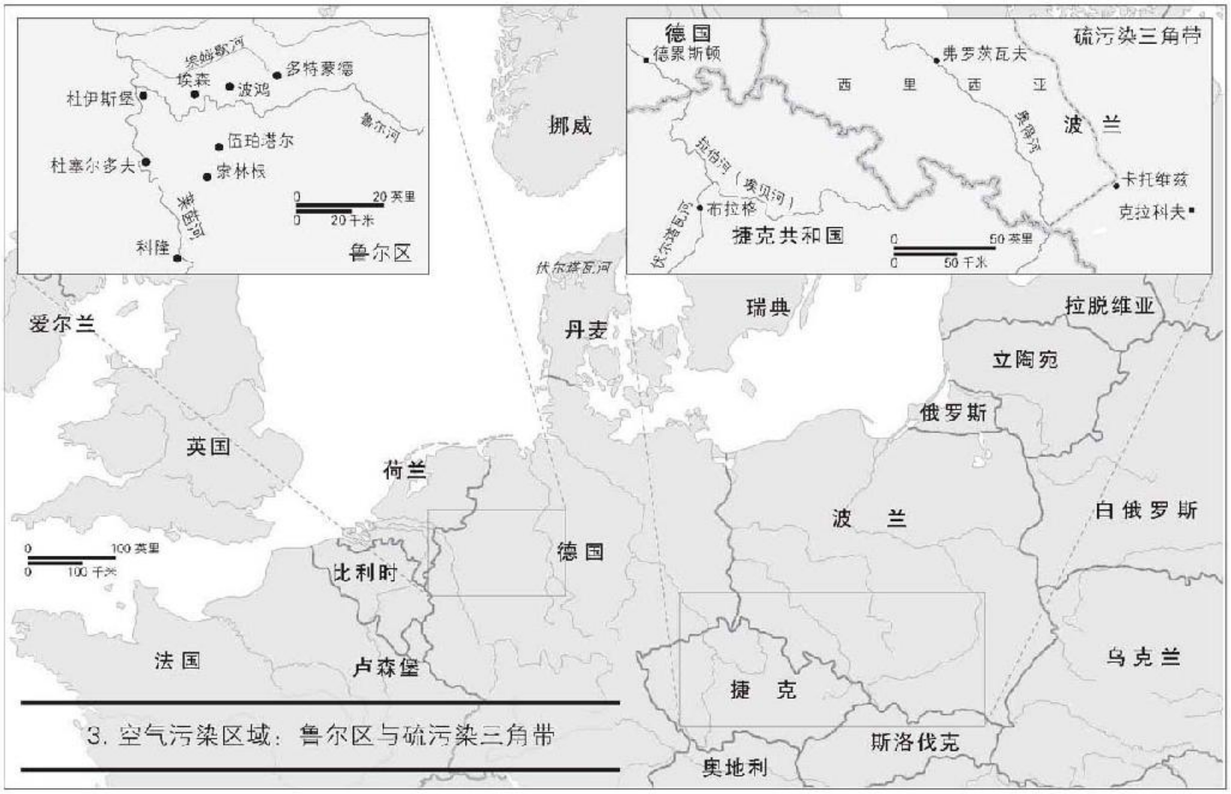
1961[illegible]·[illegible]Willy Brandt[illegible]20[illegible]60[illegible]1966—1969[illegible]20[illegible]80[illegible]

[illegible]20[illegible]60[illegible]30[illegible]20[illegible]90[illegible]1948[illegible]

[illegible] [illegible]Krakow[illegible]Tatra[illegible]1796[illegible]Gleiwitz[illegible]1900[illegible]

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3. 空气污染区域：鲁尔区与硫污染三角带

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20[illegible]1970[illegible][12]

[illegible]

[illegible]1970[illegible]

[illegible]19[illegible]70[illegible]20[illegible]60[illegible]20[illegible][13][illegible]1868[illegible]1965[illegible]“[illegible]”[illegible][14][illegible]1975[illegible]1985[illegible]

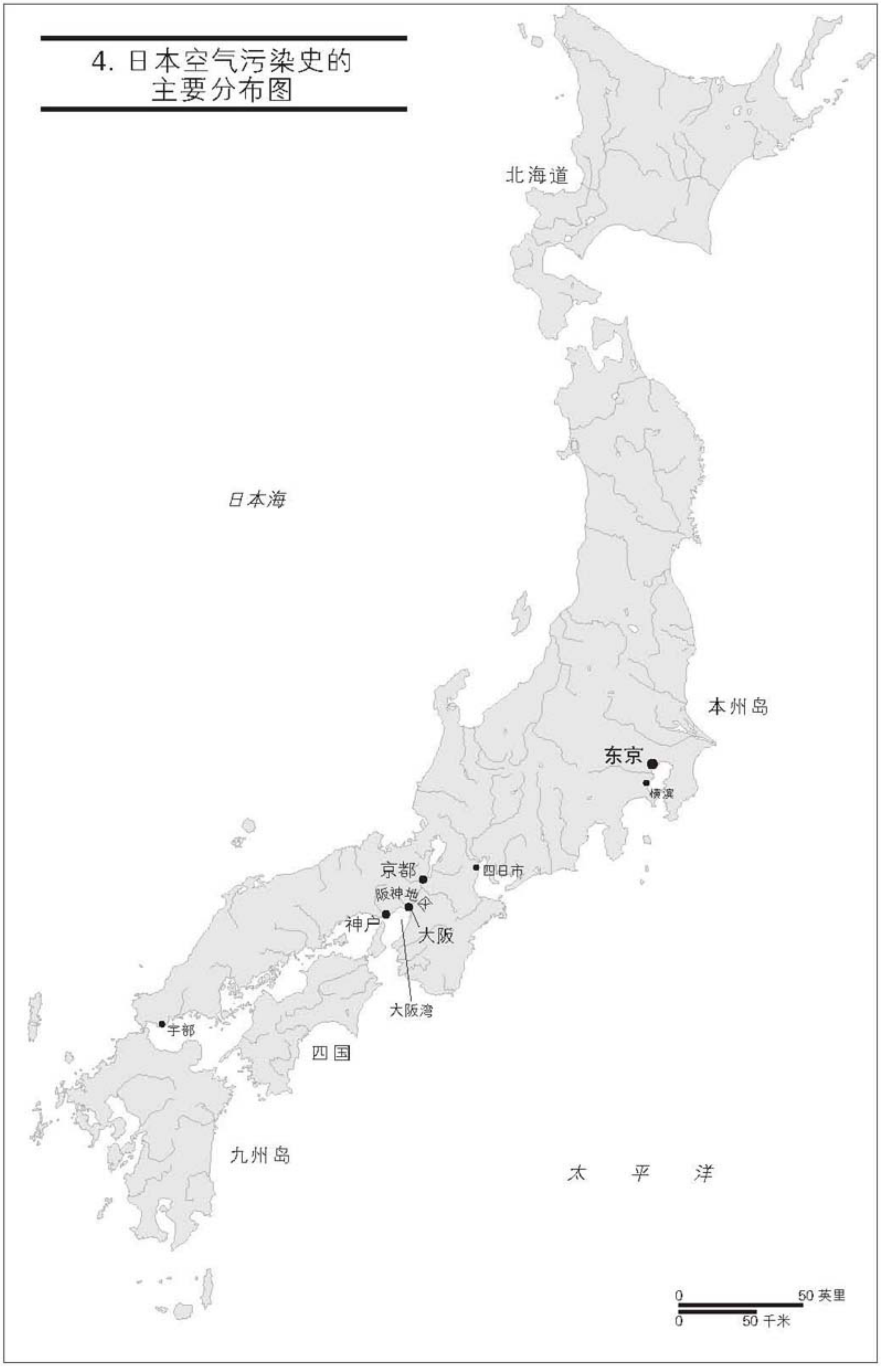
1885—1925[illegible] [illegible]1890—1905[illegible]4[illegible]17[illegible]1885[illegible]40[illegible]1910[illegible]40[illegible]1925[illegible]48[illegible]1905[illegible]1914—1915[illegible]155[illegible][15]

[illegible]

[illegible]“[illegible]”[16][illegible]

1890—1970[illegible] [illegible]1880[illegible]19[illegible]80[illegible]62[illegible]1900[illegible]1904—1905[illegible]——[illegible]1912[illegible][17]

4. 日本空气污染史的主要分布图



[illegible]“[illegible]”[illegible]

[illegible]1925[illegible]20[illegible]20[illegible]20[illegible]20[illegible]240[illegible]1932[illegible]1932[illegible]3.5[illegible]3[illegible]1931[illegible]1932—1934[illegible]1944—1945[illegible]

1945[illegible]1945[illegible]1935[illegible]1/4[illegible]1955[illegible][18]20[illegible]30[illegible]50[illegible]1970[illegible]1970[illegible]1901[illegible]1961[illegible]27[illegible]19[illegible]1970[illegible][19][illegible]Wirtschaftswunder[illegible]60[illegible]

1965—1985[illegible]

[illegible]20[illegible]50[illegible]1954[illegible]1961[illegible]1962[illegible]

[illegible]1962[illegible]20[illegible]60[illegible]1967[illegible]1959[illegible]1972[illegible]20[illegible]60[illegible]

[illegible]20[illegible]60[illegible]1965[illegible]1970[illegible]1975[illegible]

[illegible]1960—1970[illegible]200[illegible]1970[illegible]EPA[illegible]“[illegible]”[illegible][20][illegible]MITI[illegible]1970[illegible]20[illegible]70[illegible]1978[illegible]1968[illegible]10%[illegible][21][illegible]

[illegible]20[illegible]90[illegible]20[illegible]60[illegible]20[illegible]30[illegible][22][illegible]1955[illegible]1975[illegible]1973[illegible]1983[illegible]1973[illegible]1947[illegible]1868[illegible][23]

[illegible]

[illegible]20[illegible]20[illegible][24][illegible]

[illegible]19[illegible]60[illegible]Henrik Ibsen[illegible]1828—1906[illegible][25][illegible]20[illegible]60[illegible][26][illegible]Bratislava[illegible]critical load[illegible]10[illegible]1950—1958[illegible]

[illegible]1985[illegible]1994[illegible]15%[illegible]1980—1995[illegible]20[illegible]70[illegible][27][illegible]1988[illegible]20[illegible]90[illegible][28]

[illegible]20[illegible]70[illegible]80[illegible]Hires[illegible][29]20[illegible]50[illegible]20[illegible]80[illegible]1975[illegible]15%[illegible]25%[illegible]1980[illegible]

20[illegible]80[illegible]1996[illegible]

[illegible]20[illegible]90[illegible][30]

20[illegible][31]1995[illegible][32][illegible]1875—1910[illegible]1945—1975[illegible]1950[illegible]1994[illegible][33][illegible]

[illegible]1985[illegible]——[illegible]

[illegible]

[illegible]

[illegible]20[illegible]1992[illegible]30[illegible]70[illegible]88[illegible][34]1996[illegible]56.8[illegible][35]1997[illegible]40[illegible][36][illegible]1950[illegible]4[illegible]1950—1997[illegible]2000[illegible]3000[illegible]“[illegible]”20[illegible]2500[illegible]4000[illegible]1918—1919[illegible]20[illegible]

[illegible]20[illegible][37]

20[illegible]70[illegible]3[illegible]6[illegible]2%[illegible]3%[illegible][38][illegible]

[illegible]20[illegible]1950—1980[illegible][39][illegible]1973—1988[illegible]9[illegible]

[illegible]20[illegible][40]

[illegible]20[illegible]“[illegible]”[illegible]

[illegible]sycamore[illegible]19[illegible]20[illegible]Tashkent[illegible]1970[illegible][41]

[illegible]anthracosis[illegible]silicosis[illegible]1873[illegible]12[illegible]Islington[illegible]selective pressure[illegible]

[illegible]19[illegible]20[illegible]20[illegible][42]

[illegible]19[illegible]20[illegible]1970[illegible]20[illegible]90[illegible]1/4[illegible][43][illegible]“[illegible]”[illegible]Waldsterben[illegible][44][illegible][45]

[illegible]20[illegible]1960[illegible]1920[illegible]

[illegible]20[illegible]8[illegible]25[illegible]Acropolis[illegible]2400[illegible]1974[illegible]Piazza della Signoria[illegible]20[illegible]90[illegible]90[illegible]1970[illegible][46]

[illegible]1980[illegible]Agra[illegible]Tikal[illegible]100[illegible]Giza[illegible]4000[illegible]5[illegible]5[illegible][47][illegible]

[illegible]20[illegible]1997[illegible]8%[illegible][48][illegible]1970[illegible]

[illegible]1970[illegible]
[illegible]1980[illegible]

[illegible]1970[illegible]20[illegible]10[illegible]1975[illegible][49]

[illegible]

[illegible]20[illegible]21[illegible]20[illegible]20[illegible][50]

[illegible][51][illegible]23[illegible]9[illegible]

[illegible]1800[illegible]1000[illegible]270[illegible]290ppm[illegible]1800[illegible]1900[illegible]295ppm[illegible]1950[illegible]310[illegible]315ppm[illegible]1995[illegible]360ppm[illegible]3/4[illegible]1900[illegible]700ppm[illegible]1720ppm[illegible]

[illegible]1800[illegible]2[illegible]20[illegible][52]

[illegible]1890—1990[illegible]0.3[illegible]0.6[illegible]1910—1940[illegible]1975[illegible]

1940—1975[illegible]10[illegible]9[illegible]1987—1997[illegible]20[illegible]90[illegible]14[illegible]10[illegible][53][illegible]200[illegible]600[illegible][54]

[illegible]40[illegible]20[illegible]80[illegible]1997[illegible][55][illegible][56][illegible]IPCC[illegible]1995[illegible]20[illegible]80[illegible][57]

20[illegible]10[illegible]25[illegible]20[illegible]21[illegible]

20[illegible]90[illegible]21[illegible]1[illegible]5[illegible]1[illegible]10[illegible][58][illegible][59][illegible]——[illegible]——[illegible]21[illegible][60]

[illegible] [illegible]99%[illegible][61][illegible]10[illegible]

[illegible]1930—1931[illegible]·[illegible]Thomas Midgley,Jr.[illegible]Freon[illegible]

[illegible]1889[illegible]Beaver Falls[illegible]

[illegible]Dayton[illegible]Columbus[illegible]1921[illegible]1923[illegible]ethyl gasoline[illegible]

[illegible]Frigidaire[illegible]1930[illegible]1940[illegible]1944[illegible] [62]



[illegible]

[illegible]20[illegible]30[illegible]40[illegible]1950[illegible]2[illegible]1970[illegible]75

[illegible]1974[illegible]·[illegible]Sherwood Rowland[illegible]·[illegible]Mario Molina[illegible]1985[illegible]J.C.Farman[illegible][63][illegible]1960—1995[illegible]10%[illegible][64]

[illegible]B[illegible]B[illegible]20[illegible]70[illegible]UNEP[illegible]1985[illegible]1987[illegible]1990[illegible]1992[illegible]1995[illegible]1988[illegible]75%[illegible]100%[illegible]1986—1994[illegible]80%[illegible]

[illegible]2087[illegible]10[illegible]20[illegible]“[illegible]”[illegible]1970[illegible]2070[illegible][65][illegible]10[illegible]50[illegible]

[illegible]“[illegible]”[illegible]25[illegible]100[illegible]200[illegible][66][illegible]1[illegible]2[illegible]“[illegible]”[illegible][67]

20[illegible]20[illegible]12[illegible]

[illegible]20[illegible]

[illegible]

20[illegible]1975[illegible]Sputnik[illegible]near-space[illegible]3[illegible]150[illegible][68]

[illegible]

20[illegible]

[illegible]20[illegible]

[illegible]

[illegible]20[illegible]40[illegible]1975[illegible]·[illegible]Samuel Johnson[illegible]

[1] Kaplan 1981 38–47.

[2] Ripley et al.1996 170–80 Dudka et al.1995 381 1972 Inco 1% 1500 1974 Cox 1982 Quinn 1988 1930 Quinn 1989

[3] Vizcarra Andreu 1989 1994 Murley 1995 284

[4] Peterson 1993 13 Lincoln 1994 403

[5] WRI 1996 206 35 15 Kotov and Nikitina 1996 15% Gytarsky et al.1995 3200

[6] Br.ggemeir 1994 and 1990 Brüggemeir and Rommelspacher 1992

[7] Wilhelmine Germany 1871—1918 Gilhaus 1995 Spelsberg 1984

[8] 2/3 86 181 Carter 1993a 77

[9] 1990 1/3 Carter 1993b

[10] Trafas 1991 Majkowski 1994 Bobak and Feachem 1995 20 80 3%

[11] Carter 1993a and 1993b Klarer and Moldan 1997 Stanners and Bourdeau 1995 ch.4 et Passim Trafas 1991 Bobak and Feachem 1995 Moldan 1997

[12] Dominick 1998

[13] 20

[14] Hashimoto 1989

[15] Okada 1990 Miura 1975 286–305

[16] Morris-Suzuki 1994 203

[17] Miura 1975 244–56

[18] Ibid.37

[19] Hashimoto 1989 Morris-Suzuki 1994 202–7

[20] Nishimura 1989 v

[21] Hashimoto 1989 42.

[22] Environment,March 1994,36 36 75 90% 1995

[23] Hashimoto 1989 Morris-Suzuki 1994 Tsuru 1989 and 1993 Hoshino 1992 Krishnan and Tull 1994 Broadbent 1998

[24] 1980 1:1 Graedel et al 1995

[25] Brimblecombe et al.1986.

[26] Cooper 1992

[27] Murley 1995□387□□□1980—1992□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ 75%□□□□□□□□□□□□□□□□□+27%□□□□□□□□□□□

[28] Freemantle 1995□□□□□□□□□□□□

[29] Hires□□□□□□□□□□4.38□□□□□□3.32□1982□□□□□□□□□□□□□□4.2□□□Ponting 1991□366□□□□□□□□□□□□□□□□□□□□1.5□□□□□□□□2.4□□□□□□□1.0□□□□

[30] Kotamarthi and Carmichael 1990□20□□90□□ Aamlid 1990□Ayers and Yeung 1996□Elder 1992□Hashimoto et al.1994□Mason 1992□Rodhe 1989□□Stanners and Bourdeau 1995□ch.4 and 31□

[31] □□Rodhe et al.1995□Rodhe 1989□□□□□□□□□□□□□□□□□□□1995□□□□□□□□□“□□□□□□□”□□□□□□

[32] Freemantle 1995□11–2□□□□□□□□□□2.5%□□□□□

[33] □□□□□□□□□□4.6□□□□□□□□□□□□□□5.5□10□□Rodhe et al.1995□□□□□□□□□□7.0□□□□□□□□□□□□□□□□3□H□□□□□□□□□500□□□□□□□□□□□□□□□□Laj et al.1992□□□Science of the Total Environment□□,1995□160–1□□□□□□□□□□□□□□□□Barrie 1986□Barrie et al.1985□Shaw 1995□1870—1975□□□□□□□□□□□□□□□□□□□□□□□□1990□□□□□□□□□□□□□□□□□□□□□5□10□□□Husar and Husar 1990□416□□

[34] □□□□□□□WRI 1996□22 and Hall 1995□77□□□□

[35] Murray and Lopez 1996□28□□□□□vol.9□□□□□

[36] □□□□□□□□□□1997□4□21□□

[37] □□□□□□□□□□□□□□□□□□□□□□□

[38] WRI 1996□64–7□□□□□□□□□□□Natural Resources Defense Council□□1996□□□□□□□□□□□□□□6.4□□□□□□□

[39] □□20□□□□□□□□□□□□□□19□□□Weiss et al.1972□Moore 1995□45□□□□□□□□□□□□□□□□□□□□□□□□□□10%□15%□□□□□□□□□□□□□□□□□□□□□□□□□□□□WRI 1996□47□Williams 1998□□□□□□□□□□□□□□□□□□□□□□□□□□17%□□□□□□□□□□90%□

[40] □□□□□□□1997□□□□□□□500□□□□□□□□□□□□□□□□□□□□□□□□□□40□□□□□□□□□□□□□□ 1997□4□21□□

[41] Gilbert 1991□33–40□□□Greg Maggio□□□□□□□□□□□□□□□□□□□□□□□20□□60□□□□□□□□□□□□□□□□□□□□□□□□□□□Lodz□□□□□□□□□□□□□□□□□□□□□

[42] Fitter 1946□179–184□□□□□□□□□□□□1996□11□12□□C1□C6□□□□□□150□□□□□Lancashire□□

[43] □□□□□□□□□□□□25%□Stanners and Bourdeau 1995□560□□

[44] □□□□□□□□□□□□□□□□□□□□□□□□□□□□□Fuhrer 1990;Kandler and Innes 1995;Olson et al.1992;Kuusela 1994□135–6□□Kuusela□□□□□□□□□□□□□□□□□□□□□□□□ 0.5%□□□□□□□□□□□□□□□□□□□□□□Holland and Petersen 1995□322–3□□□□□□□□□□□□□□□□□□□□□□□□□□30%□60%□□□□□□□□□Lonkiewicz et al.1987□1970□□□□20□□□□□□□□□□□□□□□□□□1985□□□70□□□□□□□□□□□□□□□9%□□□□□□□von Maydell and Ollmann□1987□□□□□□□□□□□□□□□□□□□□□□□□□□F.Tersch□1987□□□□□□□□20%□□□□

[45] □□□□□□□□□□□□□□□□□10□□70□□□□□□□□□□□□□□□□□□□□3%□4%□Holland and Petersen 1995□323□□

[46] U.N.Economic commission for Europe 1992□53–81□Kucera and Fitz 1995□Matson and Miller 1991□Norwich 1991□Sikiotis and Kirkitsos 1995□Trudgill et al.1990□□□□□Science of the Total Environment□□□1995,167□

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[48] The Economist,21 March 1998 4 “Development and the Environment”

[49] “ ” Haas 1990

[50] de Gruijl 1995 IPCC 1996 Turco 1997

[51] IPCC 1996 1 15–21 “ ” radiative forcing

[52] IPCC 1996 1 5 “ ” U.S.Global Change Research Program 1998 14 “ ”

[53] NASA National Climate Data Center U.K.Meteorological Office reported in Science News 17 January 1998,153 38 1998 7 13

[54] Mann et al.1998

[55] 1997 4 17

[56] Dennis 1996 165 1995 Larsen Ice Shelf 200

[57] Berz 1990.

[58] 2100 1 5 IPCC 1996

[59] Rosenzweig and Hillel 1995

[60] 1850 4 2 10 20 Kasting 1998

[61] A B B C

[62] Dictionary of American Biography,supplement 3 New York Scribner’s,1973 521–2

[63]

[64] 1979—1992 45—55 DNA 4% 9% U.S.Global Change Research Program 1998 37

[65] 21 5% 10% 10% B 1960 Turco 1997 434–5

[66] NASA 1991 2040 20

[67] De Gruijl 1995 French 1997

[68] Scheraga 1986 1997 3 29 87–8 1997 8649 200

[illegible]4[illegible] [illegible]

[illegible]

——[illegible]

[illegible]

[illegible]

[illegible]Samuel Taylor Coleridge[illegible]*Rime of the Ancient Mariner*[illegible]“[illegible]”[illegible]

[illegible]14[illegible]97%[illegible][1][illegible]50[illegible]69%[illegible]98%[illegible][2][illegible]1%[illegible]9[illegible]1/4[illegible]Lake Baikal[illegible]

[illegible]4[illegible]2/3[illegible]1.4[illegible]2000[illegible]20[illegible]30[illegible]10[illegible]5[illegible]

[illegible]Cheerapunji[illegible]9000[illegible]6[illegible]6[illegible][3][illegible]

[illegible]

[illegible]9000[illegible]2000[illegible]

[illegible]1700[illegible]7[illegible]110[illegible]90%[illegible]4.1[illegible]1700[illegible]

[illegible]1990[illegible]1700[illegible]40[illegible]20[illegible]9[illegible]4[illegible]20[illegible]90[illegible]1900[illegible][4][illegible]20[illegible]70[illegible]1980[illegible]4000[illegible]1995[illegible]1/10[illegible][5]

[illegible]4.1 [illegible]1700[illegible]20[illegible]90[illegible]

			用途 [a]		
年份	用量（立方千米）	人均用量	灌溉（%）	工业（%）	都会（%）
1700	110	0.17	90	2	8

续表

			用途[a]		
年份	用量（立方千米）	人均用量	灌溉（%）	工业（%）	都会（%）
1800	243	0.27	90	3	7
1900	580	0.36	90	6	3
1950	1360	0.54	83	13	4
1970	2590	0.70	72	22	5
1990	4130	0.78	66	24	8
2000[b]	5190	0.87	64	25	9

□□□□□□L’vovich and White 1990□Shiklomanov 1993

□a□□□□□□□□□□□□□□□□□□100%□□□□□Shiklomanov□□□□□□□□□□□□□□1970□□□□□□□□

□b□□□□□□□

20□□□□□□□□□□□□□□20□□90□□□□□□□□□□□□□□1900□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□4.2□□□□□□□□□□□□□□□□□□□□□1900□□□1/3□□□□□□□□□□□□□□□□□□□□□□□□□20□□□□□□□□□□□□□□□1950□□

□4.2 □□□□□□□□□□□□1900—1990□

		占全球淡水用量比例（%）[a]		
	河流径流（占全球 %）	1900 年	1950 年	1990 年
亚洲	32	71	63	60
欧洲	7	12	13	13
北美	18	10	17	18
非洲	10	5	5	6
南美	26	2	2	4
大洋洲	5	~	1	1
		≈ 100	≈ 100	≈ 100

[illegible]L’vovich and White 1990[illegible]Shiklomanov 1993

[illegible]a[illegible]100%[illegible]

[illegible]

[illegible]——[illegible]——[illegible]19[illegible]19[illegible]50[illegible]19[illegible]80[illegible]

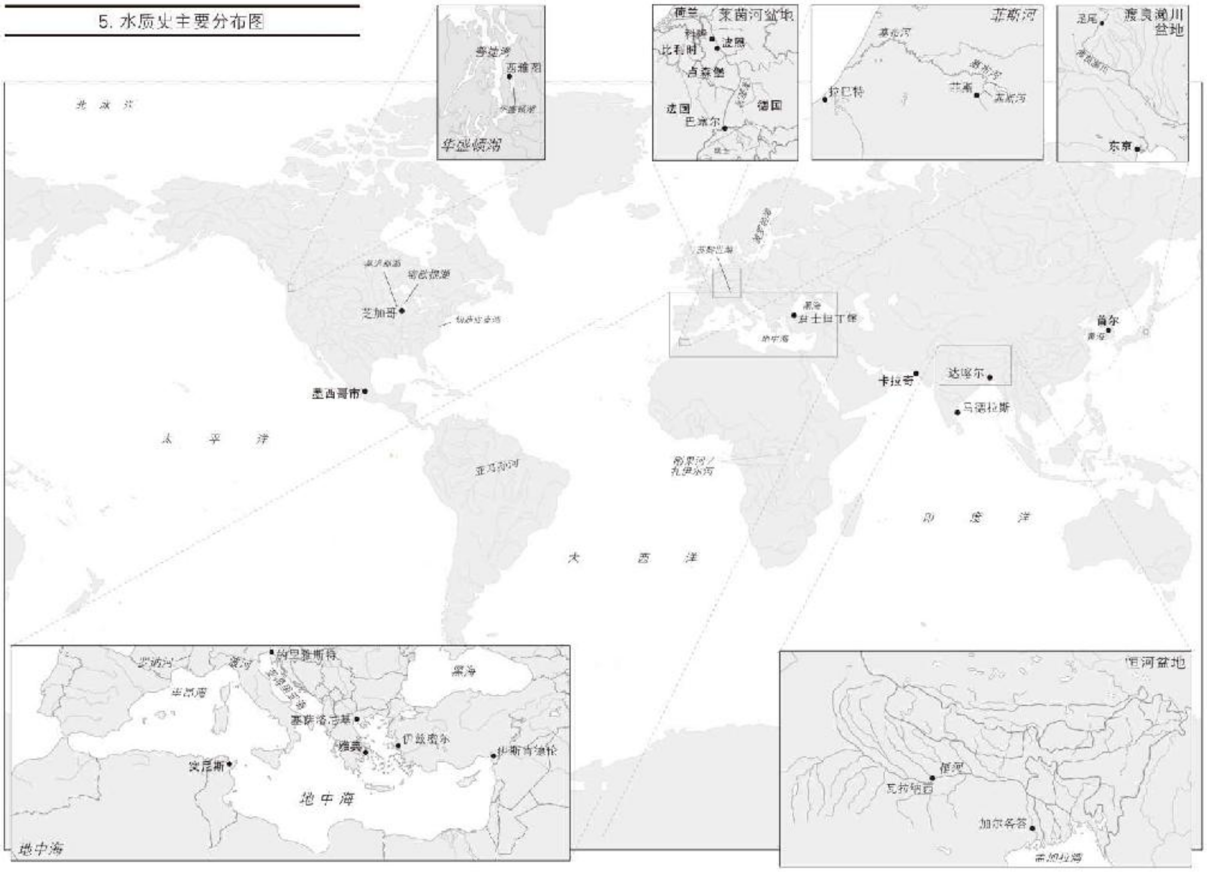
[illegible]Golden Horn[illegible]

[illegible]1453[illegible]16[illegible]Sinan[illegible]20[illegible]30[illegible]1600[illegible] [6] 20[illegible]

[illegible]1923[illegible]120[illegible]20[illegible]20[illegible]20[illegible]50[illegible]10%[illegible]20[illegible]60[illegible]70[illegible]1980[illegible]1990[illegible] [7] [illegible]

[illegible]19[illegible]1848[illegible]3[illegible]1900[illegible]1885—1886[illegible]9[illegible]12%[illegible]1891—1895[illegible]2[illegible]Calumet River[illegible]1900[illegible]Joliet[illegible]“[illegible]”[illegible] [8]

5. 水质史主要分布图



□□6□8□□1930□□□□□□□□□□□□□□□□□□□□□□1959□□□□□□□□□□□□□□□□□□□□□□□1985□□[9]□□□

□□□□□□□□□□1850□□□□□□□□□□□□□□□□□□□□□□□1850□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1850□□□——□□□19□□80□□1908—1910□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
[10]□□□□□□□□□□□□□□□□□□□20□□90□□□□□□□□□□□□□□□□□□□□□□□□□□150□□□□□□□□□[11]

□□1920□□□1912—1915□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□[12] □20□□20□□30□□□□□□□□□□□□□□□□□□□□1934□□□□□□□□□□□□□□20□□30□□□□□□□□□□□□□□□□□□□□□□□60□□□□□□□□1945□□□□□□□□□□□□□□□□□□□□□□1970□□□□□□□□20□□90□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□[13]

20□□Kampala□□□1870□□□□□□□□□□□□□1911□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Madras□□□□□□□□1940□□□□□□□□□□1980□□□□□□□□□□□□□1980□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□90%□1995□□□□□□□□□89%□□□□□□□□□□□□□□□□□□Dhaka□□□□□□82%□□□□□80%□□□□□□□□□□□□20%□□□□□□□□□□□□□14%□[14]

1880□□“□□□□”□increasing returns□□□

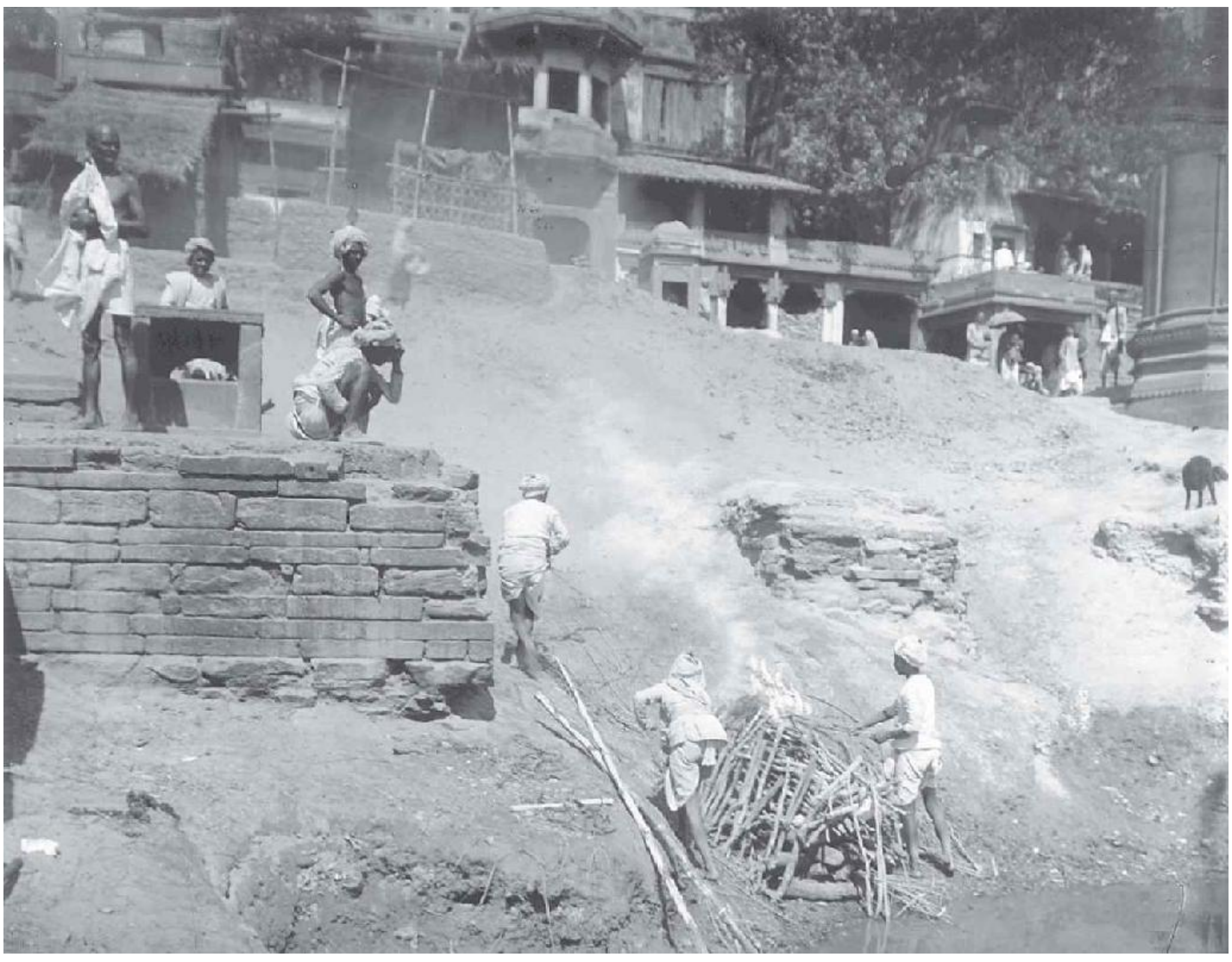
□□

□□□Oued Fez□□□□□□□□□□□□□□□□□□□□□□□□

□□ □□□1/4□□□□□□□□□[15] 1900□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1886□□□□□□□□□□□□□□□□□□□□□□□□□□1896□□□·□□□□□□□□□□□□□□□□□□□□□□□“□□□□□□□”□“□□□□”□[16] □□1990□□□4.5□□□□□□□□□□□7000□□□□□□□□□□□1990□□□1900□□□□□□□□

[illegible]20[illegible]5[illegible]10[illegible]

[illegible]Benares[illegible]20[illegible]80[illegible]3000[illegible]6[illegible]20[illegible]60[illegible]20[illegible]60[illegible]1985[illegible]“[illegible]”[illegible]Ganga Action Plan[illegible]1990[illegible] [17] [illegible]



[illegible]1985[illegible]20[illegible]80[illegible]3000[illegible]

[illegible] [illegible]19[illegible]1866[illegible]Calder[illegible]Bradford[illegible]1.8[illegible][18]

19[illegible]20[illegible]60[illegible]1869[illegible]“[illegible]”[illegible]River Irwell[illegible]20[illegible]50[illegible][19]1972[illegible][20]

[illegible]1300[illegible]1765[illegible]1828[illegible]*Cologne*[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]150[illegible]1880[illegible]

19 19 90 1914 5 1931

1944—1948 1950—1973 1980 20% 1900—1977 5 2 7 4 27 5 [21] Alsace 1880—1960 6 1948 DDT PCBs 1950—1975 20 80 PCBs 400 [22]

1964 20 70 1975 1885 1915 1976 Sandoz 180 1992 [23]

1610 1603—1868 1877 1883 19 90 95% 40%

1888 5000 19 90

[illegible]

[illegible]1897—1898[illegible]1900[illegible]1904—1905[illegible]1907[illegible][24][illegible]450[illegible]1955[illegible]1972[illegible]1974[illegible][25]

[illegible] [illegible][26][illegible]1995[illegible]100[illegible]Sebou River[illegible]10[illegible]1371[illegible]Granada[illegible]·[illegible]·[illegible]Lisanuddin Ibn Al-Khatib[illegible]“[illegible]”

[illegible]13[illegible]Merinid[illegible]1912[illegible]20[illegible]60[illegible]Saïs plain[illegible]1990[illegible]5[illegible]10[illegible]·[illegible]50[illegible]20[illegible]

[illegible]

[illegible]21[illegible]3[illegible]20[illegible]30[illegible]——[illegible]

1850 Lake Mendota 1850 algal bloom 1898 1930 1946 20 60 1945 Lake Erie

20 30 1936 Puget Sound 20 40 1955 1963

20 60 70 [27]

1860 1900

20 [28]

[illegible]20[illegible]50[illegible]Vistula river[illegible]the Po[illegible]20[illegible]60[illegible]

[illegible]1970[illegible]——[illegible]——[illegible][29]

[illegible]1880[illegible]1940[illegible][30][illegible]

[illegible] 1910 [illegible]company town[illegible]1950[illegible]5[illegible]1930[illegible]20[illegible]40[illegible]50[illegible]“[illegible]”[illegible]1956[illegible]“[illegible]”[illegible][31][illegible]1985[illegible]10[illegible][32][illegible]1973[illegible]“[illegible]”[illegible]1977[illegible]1[illegible]1984[illegible]4[illegible]1997[illegible]20[illegible]70[illegible]

[illegible]20[illegible]

[illegible] 1798[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]15[illegible]200[illegible]1950[illegible]1995[illegible]18[illegible][33][illegible]80[illegible]140[illegible]

[illegible]20[illegible]Ostia[illegible]——[illegible]20[illegible]

[illegible]DDT[illegible]PCBs[illegible]radionuclide[illegible]1990[illegible]1/4[illegible]1/3[illegible]20[illegible][34][illegible]

[illegible]20[illegible]20[illegible]30%[illegible]1900[illegible]3[illegible]4[illegible][35][illegible]20[illegible]80[illegible]20[illegible]90[illegible]10%[illegible]

1900[illegible]20[illegible]1948[illegible]20[illegible]70[illegible]

[illegible]1990[illegible]1/4[illegible]1975[illegible]50[illegible]1980—1981[illegible]82[illegible]1/3[illegible]10%[illegible]1980[illegible]1/6[illegible][36]

[illegible]

20[illegible]1929[illegible]5%[illegible]1950[illegible]3%[illegible]1985[illegible]14%[illegible]1960[illegible]1/4[illegible]6%[illegible]7%[illegible]1950[illegible]

[illegible]1990[illegible]9%[illegible]10%[illegible]2/3[illegible]1/10[illegible]1/20[illegible][37][illegible]Ebro[illegible]Rhône[illegible]Trieste[illegible]PCBs[illegible]4.3[illegible]1985[illegible]Golfe du Lyon[illegible]4.3[illegible]

[illegible]4.3 [illegible]1985[illegible]

项目	北部	南部
人口（万）	7300	5000
城市化比率（%）	69	47
有污水处理的城市（%）	70	50
废弃物（百万立方米）	2295	544
注入的氮数量（千吨）	128	48

[illegible]Grenon and Batisse 1989[illegible]245-6

[illegible]Grenon and Batisse[illegible]

[illegible]20[illegible]Thessalonnki[illegible]1990[illegible]1980[illegible]1965[illegible][38]

[illegible]Gulf of Izmir[illegible]Gulf of Iskenderun[illegible]Alexandretta[illegible]1913[illegible][39][illegible]20[illegible]

[illegible]1980[illegible]1978[illegible]Saronic Gulf[illegible]3/4[illegible][40]

[illegible]20[illegible]1872—1988[illegible]15[illegible]

1969[illegible]1988[illegible]1969[illegible][41][illegible]Poisidonia oceanica[illegible][42][illegible]

[illegible]20[illegible]90[illegible][43][illegible]1.[illegible]2.[illegible]3.1975[illegible]

1975[illegible]20[illegible]70[illegible]1975[illegible]1973[illegible][44][illegible]1980[illegible]——[illegible]——[illegible]

[illegible]1975[illegible]“[illegible]”[illegible]Mediterranean Action Plan[illegible]2000[illegible]“[illegible]”[illegible][45][illegible]1976[illegible]20[illegible]80[illegible]20[illegible][46]

[illegible]

[illegible]1945[illegible]1950[illegible]1992[illegible]60%[illegible]·[illegible]

□Thor Heyerdahl□□□□□□□□□□□□□1951—1952□□□□□□□□□□□□□□1969□□□□□18□□□□□□□□57□□□□□40□□□□□□□□□□□□□□□□□Cape Verde□□□□□□□Barbados□□□□□□□□□□□□□□□□□□□□18□□□□□□□□□□□□□□□□□□□□□□□1970□□□□□□□□□□□□□□□□□——□□□□□□□□——□□□□□□□□□□□□□[47]

□□□19□□□□□□□□□□□□□□1970□□□□□□□□1973—1983□□□□□□□□□□□□□□□□600□□□□100□□□□□□□□□□□□□□□□□□□□□Chesapeake Bay□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1954□□□1972□□□□□□□□□□□□□□[48]□□□20□□□□□□□□□□□□□□□□□□□□□□□□□

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□□1945□□□1800□□□19□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□20□□

20□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□19□□□□□□□□□□□□□□□20□□

□□20□□□1948□□□

[1] □□□□□□Shiklomanov 1990,1993□□□Postel 1992□

[2] □□□

[3] Rao 1989[illegible]1960[illegible]

[4] [illegible]

[5] Gleick 1993[illegible]396[illegible]1998[illegible]11[illegible]29[illegible]U.S.Geological Survey[illegible]

[6] Orhonlu 1984[illegible]78–82[illegible]Çeçen 1992[illegible]Pinon and Yerasimos 1994.

[7] [illegible]Özis 1987[illegible]Lake Sapanca[illegible]20[illegible]80[illegible]

[8] Changnon and Changnon 1996[illegible]104.

[9] [illegible]1994,2[illegible]75–84,101–12[illegible]Stout and Ackermann 1987[illegible]Changnon 1994[illegible]·[illegible]Peter Campbell[illegible]Changnon and Changnon 1996[illegible]

[10] [illegible]1829[illegible]Poughkeepsie[illegible]1879[illegible]1800[illegible]Goubert 1989[illegible]Büschenfeld 1997[illegible]

[11] Outwater 1996[illegible]133–47[illegible]Guayacochea de Onofrí1987[illegible]Mendoza[illegible]20[illegible]

[12] [illegible]

[13] [illegible]Windhoek[illegible]20[illegible]70[illegible]1/3[illegible]15th ed.,1976,14[illegible]753[illegible]Goldman 1972[illegible]96–101[illegible]

[14] GEMS 1989[illegible]274[illegible]Headrick 1988[illegible]145–59[illegible]Smil 1984[illegible]100[illegible]Yeung 1997[illegible]Sundaramoorthy et al.1991[illegible]

[15] [illegible]Ahmed 1990[illegible]Basu 1992[illegible]Ghose and Sharma 1989[illegible]Varady 1989[illegible]

[16] Twain 1899,2[illegible]192–3[illegible]

[17] Ghose and Sharma 1989[illegible]41–4[illegible]Meybeck and Helmer 1989[illegible]294[illegible]20[illegible]80[illegible]990[illegible]

[18] [illegible]Clapp 1994[illegible]74–5[illegible]

[19] Sherlock 1922[illegible]295[illegible]1869[illegible]Sheail 1997[illegible]207[illegible]1950[illegible]1979[illegible]1860[illegible]12%[illegible]Meybeck 1979[illegible]241[illegible]

[20] Ponting 1991[illegible]364[illegible]

[21] Behre et al.1985.

[22] PCBs[illegible]polychlorinated biphenyl[illegible]1929[illegible]DDT[illegible]dichlorodiphenyltrichloroethane[illegible]1874[illegible]1942[illegible]Reihelt 1986[illegible]PCBs[illegible]11[illegible]6[illegible]Science News,14 September 1996[illegible]165[illegible]Joseph Jacobson and Sandra Jacobson[illegible]

[23] [illegible]Friedrich and Müller 1984[illegible]GEMS 1989[illegible]280[illegible]Habereer 1991[illegible]Lelek 1989[illegible]Malle 1996[illegible]Meybeck 1979[illegible]Reihelt 1986[illegible]van der Weijden and Middleburg 1989[illegible]Van Urk 1984[illegible]140[illegible]1974[illegible]Wood 1982[illegible]118[illegible]

[24] Nimura 1997[illegible]21.

[25] Hashimoto 1989[illegible]Miura 1975[illegible]259–86[illegible]Notehelfer 1975[illegible]Shoji and Sugai 1992[illegible]Tsuru 1989.

[26] [illegible]Kettani 1993[illegible]p.663[illegible]

[27] Barica 1979□Bonomi et al.1979□NRC 1992□188–91□ReVelle and ReVelle 1992□395–7□Schröder 1979□□□□□□□□□□Edmondson 1991□

[28] Gorman 1993□106–7□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1%□

[29] Elmgren 1989□Larssen et al.1985□Linden 1990□8□Ambio,1990,19□3□□□□□□□□□□□□□□□

[30] Adler et al.1993□Alderton 1985.

[31] □□□□□□□□□□□□□□□□□□□□□20□□30□□□□□40□□□□□□□□□□□□50□□□□1965□□□□□□□□□□□□□□□□□□□□□Nishigaki and Harada 1975□□

[32] □□1990□□□□□□□□987□□□□□□□□2239□□□□□□2903□□□□□□□□□□□Ui 1992b□131,citing the Japanese Environmental Agency□□□□□□□□□□□□□□□□

[33] 1995□□□□□□□□□□□□□□□□□□□4□□□□□□□□□□□□□□□1.3□□

[34] De Walle et al.1993a□59.

[35] Stanners and Bourdeau 1995□495.

[36] De Walle,et al.1993b□6,62–3□Le Lourd 1977□Stanners and Bourdeau 1995□118□20□□80□□□□□□□□□□50□□□□□

[37] Grenon and Batisse 1989□103–5□□□

[38] 1982□□□□□□□□□□□□Elefsis□□□□□□□□□□□□□□□□□□□□□□□□PCBs□DDT□□□20□□□□□□□□□15□18□□□□Vassilopoulos and Nikopoulou-Tamvakli 1993□□□□□Katsoulis and Tsangaris 1994□□

[39] Tuncer et al.1993□1985□□□□□□□□□□□□□□□□Türkiye Çevre Sorunlar1 Vakf1 1991□216–20□

[40] □□□□□□□□□Vassilopoulos and Nikopoulou-Tamvakli 1993□432□

[41] Bethoux et al.1990□Marchetti and Rinaldi 1989□

[42] Stanners and Bourdeau 1995□120–1.

[43] □□□□□□Albaigues et al.1985□

[44] Molinelli-Cancellieri 1995.

[45] De Walle,et al.1993a□79.

[46] □□□□□□□□□□□□□□Antoine 1993 and Haas 1990□

[47] Earle 1995□254–55□Gorman 1993□34,39,114.

[48] Prager 1993□87–131□□□□□□□□□□□□□□□Gorman 1993□69–92□□□□□□□

[illegible]5[illegible] [illegible]

[illegible]

——[illegible]

[illegible]

——[illegible]·[illegible]Ben Franklin[illegible]*Poor Richard’s Almanac*[illegible]

1908[illegible]Lake Victoria[illegible]Owen Falls[illegible]“[illegible]……[illegible]”[1]

[illegible]1946[illegible]1954[illegible]15[illegible]

[illegible]20[illegible]1850[illegible]symbolic politics[illegible]20[illegible]1900[illegible]

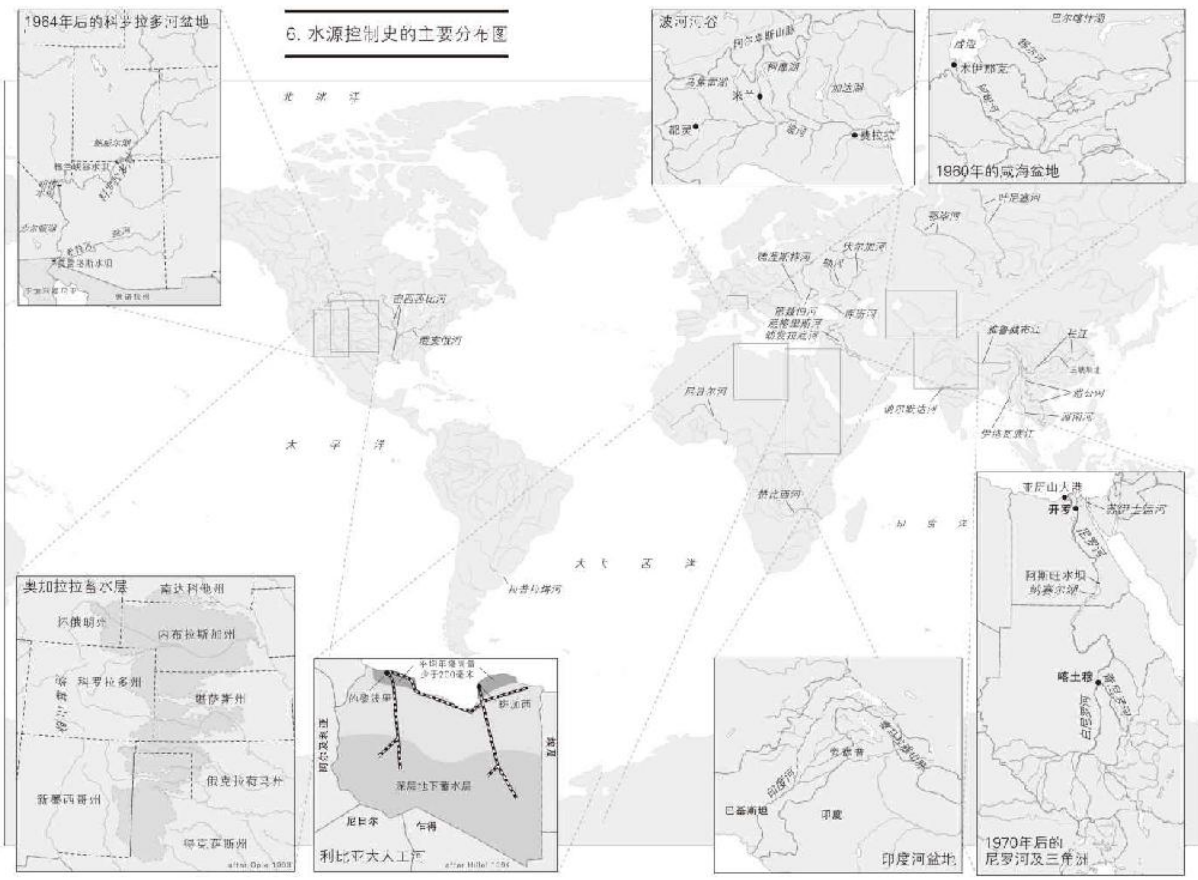
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[illegible]20[illegible]70[illegible]70%[illegible]90%[illegible]1000[illegible]1975[illegible]5[illegible]1984[illegible][5]

[illegible]fossil water[illegible]20[illegible]20[illegible]1951[illegible]40[illegible]1969[illegible]Muammar el-Qaddafi[illegible]Occidental Petroleum[illegible]·[illegible]Armand Hammer[illegible][6][illegible]250[illegible]“[illegible]”[illegible]Great Man-Made River[illegible]5%[illegible]Benghazi[illegible]1986[illegible]4[illegible]10[illegible]1980[illegible][7]

[illegible]Uttar Pradesh[illegible]1970—1985[illegible]2700[illegible]2300[illegible]1985[illegible]1970[illegible]1990[illegible][8]

[illegible]20[illegible]1920—1965[illegible]5[illegible]1961[illegible]Llobregat River[illegible]1965[illegible]1970[illegible][9]

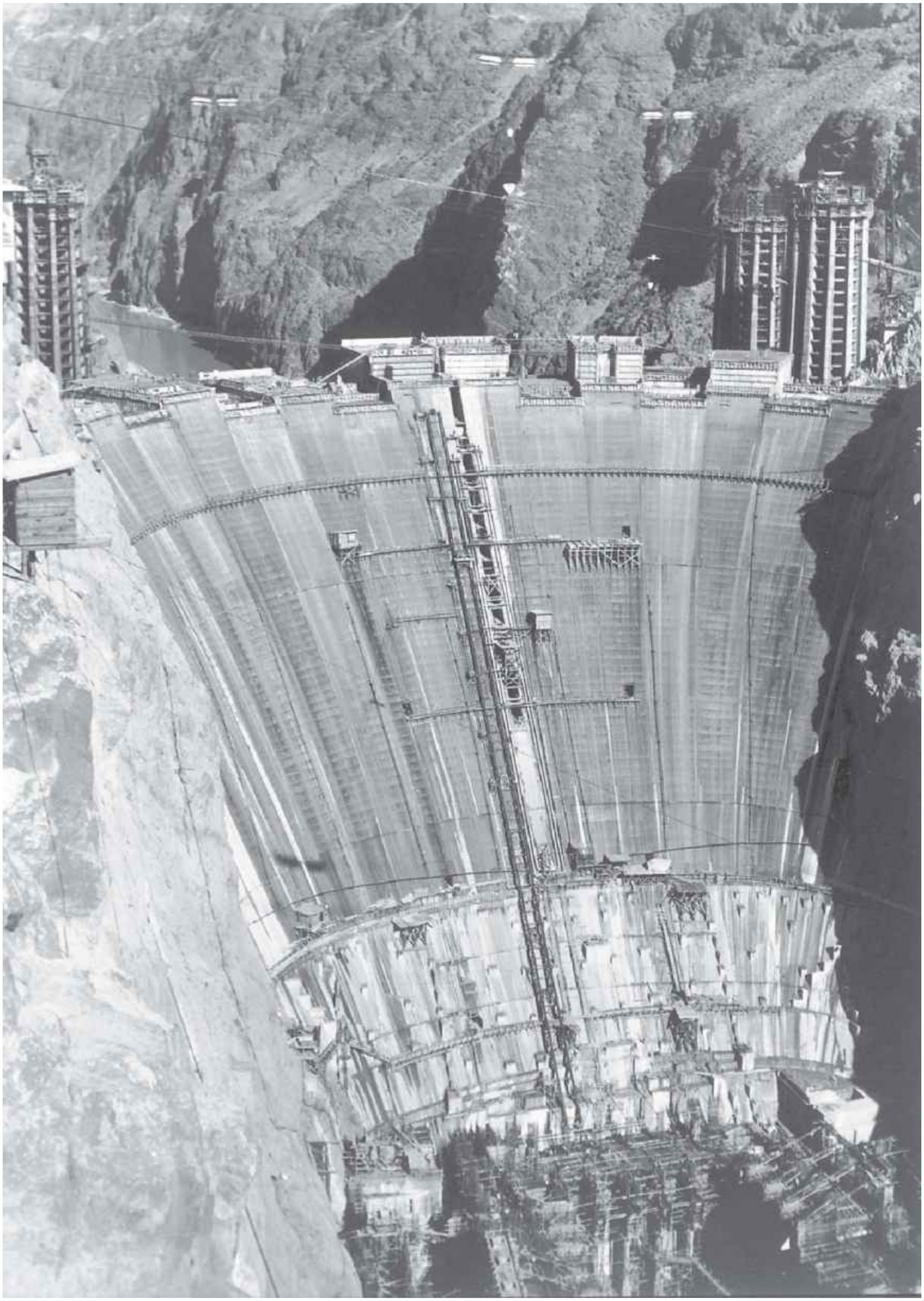
20[illegible]

[illegible]

[illegible]4900[illegible]2[illegible]30[illegible][10][illegible]1850[illegible]19[illegible]20[illegible]

19[illegible]19[illegible]20[illegible]20[illegible]30[illegible]20[illegible]30[illegible]Boulder Dam[illegible]Hoover Dam[illegible]

[illegible]Gamal Abdel Nasser[illegible]1956—1970[illegible]Nkrumah[illegible]1960—1966[illegible]1930—1970[illegible][11]



[illegible]1934[illegible]20[illegible]30[illegible]1980[illegible]

20[illegible]60[illegible]15[illegible]1968[illegible]20[illegible]90[illegible]2/3[illegible][12]

[illegible] 20[illegible]Sutlej[illegible]Punjab[illegible]“[illegible]”[illegible]3000[illegible]4500[illegible][13]

[illegible]1885[illegible]16—18[illegible][14][illegible]“[illegible]”（canal colonies[illegible]1947[illegible]1400[illegible]1915[illegible]

[illegible]1947[illegible]1947[illegible]1990[illegible]1600[illegible][15][illegible]

[illegible]1960[illegible]——[illegible]19[illegible]60[illegible]20[illegible]60[illegible]

[illegible][16][illegible]80%[illegible]20[illegible]90[illegible][17]

[illegible]20[illegible]19[illegible]20[illegible]1947[illegible]2200[illegible]1974[illegible]3200[illegible]90[illegible]4500[illegible]5000[illegible]1/5[illegible]1975[illegible]“[illegible]”[illegible]1947—1982[illegible]15%[illegible][18][illegible]“[illegible]”[illegible][19]

[illegible]20[illegible][20][illegible]“[illegible]”[illegible]1947—1992[illegible]2000[illegible]20[illegible]60[illegible]Rihand[illegible][21][illegible]

1947[illegible]2[illegible]4[illegible]1955—1985[illegible]1300[illegible]1996[illegible]1/4[illegible][22][illegible]Western Ghats[illegible][23]

[illegible]20[illegible]20[illegible]20[illegible]80[illegible]90[illegible]1989[illegible]6[illegible]Narmada[illegible]30[illegible]3000[illegible]350[illegible]Surat[illegible]10[illegible][24]

[illegible] [illegible]20[illegible]

[illegible]19[illegible][25][illegible]1917[illegible]

[illegible]1918[illegible]Turkmenistan[illegible]20[illegible]30[illegible]

[illegible]20[illegible]30[illegible]

[illegible]1937[illegible]50[illegible]Ural[illegible][26][illegible]Kuban[illegible]Sea of Azov[illegible][27][illegible]1975[illegible]1913[illegible]8[illegible][28][illegible]

20[illegible]50[illegible]Syr Dar’ya[illegible]Amu Dar’ya[illegible]20[illegible]50[illegible]“[illegible]”[illegible]A.Babayev[illegible]50[illegible]

> [illegible]……[illegible][29]

[illegible]700[illegible]“[illegible]”[illegible]

[illegible]1960[illegible]55[illegible]Niger[illegible]Snake[illegible]1960—1961[illegible]1980[illegible]1/5[illegible]1990[illegible]1/10[illegible]20[illegible]60[illegible]1973[illegible]90[illegible]20[illegible]60[illegible]15[illegible]1990[illegible]

[illegible]1960[illegible]1/3[illegible]1960—1993[illegible]3[illegible][30]

[illegible]“[illegible]”[illegible]“Aral Dengiz”[illegible]“[illegible]”[illegible]20[illegible]80[illegible]20[illegible]80[illegible]200[illegible][31]

20[illegible]50[illegible]4[illegible]1990[illegible]Muynak[illegible]90[illegible]24[illegible]20[illegible]1995[illegible]4[illegible]1.2[illegible]1970—1990[illegible]5[illegible]10[illegible]1990[illegible]1960[illegible]3/4[illegible]

[illegible]Karakum Canal[illegible]1100[illegible]Ashkhabad[illegible]1970[illegible]4/5[illegible]20[illegible]80[illegible]

[illegible]1986[illegible]1984[illegible]1986[illegible]1991[illegible][32]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]20[illegible]

[illegible] 5000 [illegible] [33] [illegible]

[illegible]——[illegible]“[illegible]”——[illegible] ·[illegible] 1769—1849 [illegible] 1805 [illegible] pasha [illegible] 1842 [illegible] 1861 [illegible] · [illegible] 8 [illegible] 9 [illegible] 19 [illegible]

[illegible] · [illegible] 1855—1882 [illegible] 6 [illegible] 1876 [illegible]

1882 [illegible] 1883—1907 [illegible] Lord Cromer [illegible] · [illegible] 1898 [illegible] Baring Brothers [illegible] 1902 [illegible] 1912 [illegible] 1934 [illegible] 1934 [illegible] 1/5 [illegible] [34]

[illegible] 1876 [illegible] khedive [illegible] · [illegible] · [illegible] Adrian Danino [illegible] 1912 [illegible] 20 [illegible] 40 [illegible]

1952[illegible]1918—1970[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible] [35]

[illegible]evaporation zone[illegible]1949[illegible]

[illegible]1952[illegible]

[illegible]·[illegible]Anthony Eden[illegible]1897—1977[illegible]1952[illegible]1955[illegible]1955[illegible]1956[illegible]1956[illegible]10[illegible]

[illegible]20[illegible]50[illegible]1960[illegible]1971[illegible] [36]

[illegible]Lake Nasser[illegible]150[illegible]1934[illegible]30[illegible]98%[illegible] [37] [illegible]1977—

1990[illegible]1/3[illegible][38][illegible]

[illegible]1963[illegible]50[illegible]1200[illegible]87[illegible]20[illegible]90[illegible][39]

[illegible]3000[illegible]2/3[illegible]7500[illegible]20[illegible]2.4[illegible]19[illegible]5[illegible]8[illegible]1902[illegible]1964[illegible]70[illegible]90[illegible]1996[illegible]1/10[illegible][40]

[illegible]3[illegible]5[illegible]10[illegible]1975[illegible][41][illegible]

[illegible]25[illegible]2500[illegible]salt creep[illegible][42]

[illegible]1/6[illegible]20[illegible]70[illegible]

[illegible]90[illegible]

[illegible]20[illegible]·[illegible]5000[illegible]

[illegible]1959[illegible]5[illegible]Nubian[illegible]Lake Nubia[illegible]20[illegible][43]

[illegible]1964[illegible]——[illegible]10%——[illegible]1869[illegible]Levant[illegible]Lessepsian migrant[illegible]Ferdinand de Lesseps[illegible]Indo-Pacific[illegible][44]

[illegible]19[illegible]

1890[illegible][45][illegible]1/6[illegible]1/3[illegible]1890[illegible]Apennines[illegible]

[illegible]19[illegible]Lombards[illegible]

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[illegible]“[illegible]”[illegible]mare nostrum[illegible] [52]

[illegible]·[illegible]Umberto Boccioni[illegible]1882—1916[illegible]

[illegible] [53]

[illegible]1919[illegible]1890[illegible] [54]

[illegible] 1900[illegible]——[illegible]San Joaquin-Sacramento River[illegible]——[illegible]Snake-Columbia River[illegible]1900[illegible] [55]

[illegible]17[illegible]1900[illegible]

1900[illegible]Imperial Valley[illegible]Alamo Canal[illegible]1905[illegible]Salton Sea[illegible] [56] [illegible]1911[illegible]Salt River[illegible]1935[illegible]1964[illegible]19[illegible]

1964[illegible]1983[illegible]1917—1961[illegible]20[illegible]80[illegible]1500[illegible]

[illegible]7[illegible]20[illegible]Baja California[illegible]Sonora[illegible]1950[illegible]Morelos Dam[illegible]1973[illegible]1979[illegible]1905[illegible]·[illegible]20[illegible]

[illegible]20[illegible]50[illegible]Sierra Club[illegible]Audubon Society[illegible]Dinosaur National Park[illegible]Glen Canyon Dam[illegible]1964—1965[illegible]

[illegible]

[illegible]20[illegible]4.1[illegible]——[illegible]Tigris-Euphrates[illegible]Zambezi[illegible]la Plata[illegible][57]

[illegible]1900—1995[illegible]5000[illegible]2.5[illegible]5.1[illegible]

[illegible]5.1 [illegible]1900—1990[illegible]

年份	全球总面积（百万公顷）
1800	8
…	…
1900	48
…	…
1950	94
1960	137
1970	168
1980	211
1990	235
1995	255

[illegible]Gleick 1993[illegible]265[illegible]Postel 1999[illegible]41

[illegible]1950—1980[illegible]1950—1976[illegible] [58] [illegible]1980[illegible]20[illegible]

20[illegible]90[illegible]1919[illegible]1866—1925[illegible]70[illegible]100[illegible]200[illegible]river dolphin[illegible]

[illegible]10%[illegible][59][illegible]

[illegible]1990[illegible]16%[illegible]30%[illegible]1995[illegible]7%[illegible]20%[illegible]20[illegible]

[illegible]20[illegible]1980[illegible]1/4[illegible][60][illegible]20[illegible]90[illegible]10%[illegible]1996[illegible][61][illegible]20[illegible]

[illegible]20[illegible]4000[illegible]20[illegible][62][illegible]20[illegible]



[illegible]Mali[illegible]N’Debougou[illegible]6[illegible]1.6[illegible]1950[illegible]1950[illegible]

[illegible]

[illegible]20[illegible]

[illegible]1800[illegible]1800[illegible]1990[illegible]1/4[illegible]6%[illegible]7%[illegible][63][illegible]

[illegible]41%[illegible]18[illegible]19[illegible]1895[illegible]1927[illegible]Cairo[illegible]170[illegible]160[illegible]1928[illegible]

[illegible]1928[illegible]*Flood Control Acts* [illegible]1936[illegible]1932—1955[illegible]229[illegible]1951[illegible]1965[illegible]1969[illegible]1973[illegible]1990[illegible]26[illegible]60[illegible]1993[illegible]9[illegible]50[illegible]120[illegible]1993[illegible]90[illegible][64]



1927[illegible]170[illegible]Melville[illegible]



1927[illegible]50[illegible]1927[illegible]5[illegible]18[illegible]

[illegible]oxbow lake[illegible][65]

[illegible]20[illegible]60[illegible]

[illegible]16—17[illegible]20[illegible]1953[illegible]1630[illegible]the Fens[illegible]20[illegible]1900[illegible]

[illegible][66]

[illegible]19[illegible]Manitoba[illegible]1842[illegible]

[illegible][67]

[illegible]68[illegible][68]1870[illegible]1880[illegible]1000[illegible]1900—1920[illegible]1940—1970[illegible]1970[illegible]1700[illegible][69]

[illegible]1930[illegible]1960[illegible]1870[illegible]Central Valley[illegible]1880[illegible]Florida Everglades[illegible]160[illegible]1970[illegible]1780[illegible]15%[illegible]20[illegible]80[illegible]5300[illegible][70][illegible]20[illegible]1865[illegible]1/3[illegible][71]

[illegible][72][illegible]19[illegible]Sundarbans[illegible]1880—1980[illegible]80[illegible]5[illegible]1970[illegible]1900—1980[illegible]1300[illegible]

1920—1980[illegible]2/3[illegible][73] 1980[illegible]

[illegible]20[illegible]1000[illegible]15%[illegible]60%[illegible]90%[illegible]90%[illegible]20[illegible][74]

[illegible]20[illegible]70[illegible]1983[illegible]Jonglei Canal[illegible]Dinka[illegible]1998[illegible]1/4[illegible]Pantanal[illegible]20[illegible]90[illegible]20[illegible]

[illegible]

[illegible]20[illegible]20[illegible]

[illegible]1916[illegible]Zuider Zee[illegible]1890[illegible]20[illegible]20[illegible]1932[illegible]60[illegible]13%[illegible]14%[illegible]300[illegible][75]

[illegible]1970[illegible]20[illegible]80[illegible]40%[illegible]19[illegible]70[illegible]1960—1980[illegible]1/5[illegible]

10%[illegible]20[illegible]10[illegible]50[illegible]
[illegible][76]

[illegible]

[illegible]20[illegible]20[illegible]18%[illegible]54%[illegible][77][illegible]1/3[illegible]

[illegible]20[illegible]20[illegible]

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[1] Worthington 1983[illegible]101[illegible]

[2] [illegible]

[3] Opie 1993[illegible]30[illegible]acre-feet[illegible]Gleick 1993[illegible]449 and 162[illegible]30[illegible]

[4] Schwarz et al.1990[illegible]265–7[illegible]Opie 1993[illegible]

[5] Postel 1992[illegible]31–2.

[6] [illegible]1981[illegible]Holcomb[illegible]6[illegible]Opie 1993[illegible]154[illegible]

[7] [illegible]Hillel 1994[illegible]196–200[illegible]Allan 1994[illegible]75–6[illegible]

[8] Jayal 1985[illegible]96[illegible]Stanners and Bourdeau 1995[illegible]66[illegible]

[9] GEMS 1989[illegible]152[illegible]Smil 1993[illegible]42–4[illegible]Stanners and Bourdeau 1995[illegible]67[illegible]Walker 1990[illegible]289–90.

[10] Garbrecht 1987[illegible]Rouse 1963.

[11] [illegible]

[12] NRC 1992[illegible]200[illegible]Petts 1990a,1990b.

[13] [illegible]Neuvy 1991[illegible]173[illegible]

[14] [illegible]Ali 1988[illegible]Agnihotri 1996[illegible]Gilmartin 1994[illegible]

[15] 1993□□□□□□□□□□□□□□80%□□□□□□□□□□□□□□□□□□□□□□□□WRI 1996□241□□

[16] Michel 1967□455–6.

[17] GEMS 1989□150□Hillel 1991□146–7□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Agnihotri 1996□54□□

[18] Thukral 1992□9□Centre for Science and Environment 1982□59□□□□14%□1947—1979□□□

[19] Gadgil and Guha 1995□78.

[20] □□□□□□□□□□□□□1950—1990□□□□□□□□7□□3□□Mitchell 1995□196□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1954—1979□□□□□□□□□12□□

[21] Thukral 1992□13–14.

[22] Jayal 1985□97□1955—1985□□□□□□□□□□□□600□□□□□□□□□□□□□□700□□□□The Centre for Science and Environment 1982□6–7□□□□□□□□□□□□□□□□□□□□□□□□1300□□□□□□□□□□□600□□□□□□□□□□□□□□1000□□□□□□□□□□□□□

[23] The Centre for Science and Environment 1982□56–69□□□□□□□□□□□□□□Whitcombe 1995□□□□□□□□□□□

[24] Baviskar 1995□Dr.ze et al.1997□Gadgil and Guha 1995□66–78.

[25] Moser 1894□□□□□□□□□□□□□□□□4□□□□□□□□□□□□□1917□□□□□□□□□□□□□□Klige et al.1996□

[26] 1930—1978□□□□□□□□3□□□1978—1994□□□□1.5□□Micklin 1995□279□□

[27] Kostin 1986□Shiklomanov 1990□38□Vendrov and Avakyan 1977□□□□□□□□□□□□□□□□□□□□□□□□□

[28] Gerasimov and Gindin 1977□61□Gleick 1993□70□□1929—1933□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Cecchini 1987□□

[29] Quoted in Precoda 1991□111.

[30] Gleick 1993□6□Smith 1995□267□1993□□□□□□30□37□□□□□□1.5□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1960□□□□□□Klige et al.a1996□□

[31] □□S.Ospanov□personal communication,May 1998□□1998□□□□□50□□□□□20□□90□□□□□□□□□□□□□□□□□□□□40□□5%□□Lubin 1995□297□

[32] □□□□□□Feshbach 1995□55–6□Micklin and Williams 1995□Peterson 1993□111–8□Postel 1996□□Precoda 1991□□□1998□5□□□□□□□□□□□□□□□□□Social Science Research Council□□□□□□□□□□□□□□□□□□□□Weiner 1999□414–28□

[33] □□□shadoof□□□□□□□□□□□□□□□□□□□□□□□

[34] □□□Waterbury 1979□88□

[35] □□□□□□□□Postel 1999□54□□□□□□1964□5□14□□□□□□□□□Waterbury 1979□98□□□

[36] □□□□□□□□□□□□□□□Hahn 1991,Collins 1990□□□Louis and Owen 1989□

[37] □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Stanley 1996□□

[38] □□□□□□□□□□□18%□□□□□□53%□□□□□□□□□□□□□□□□□□Said 1993□241□□

[39] Kishk 1986□Stanley 1997□White 1988.

[40] Fanos 1995□Stanley 1996□□□5000□□□□

[41] Farley 1991□Hunter et al.1993□43–4□Watts and El Katsha 1997□White 1988□□□□□□□□□□20□□30—50□□□□□□□□□□□□□□□□□□□□□□□□□□

[42] □□□□□□□□□□□Burns 1990□Howell and Allan 1994□Hvidt 1995□Kishk 1986□Mageed 1994□Neuvy 1991□187□Stanley and Warne 1993□Waterbury 1979□□20□□□□□□□□□□□Said 1993□□□□□□Ayeb 1996□□□□□□□

[43] White 1978□□□□□□□□□□□□□□□□□□□□□□□□□46□□,8 January 1998□A23□□

[44] □□□□□□□□□□□□□10%□12%□□□Ben Tuvia 1983□Por 1978,Por 1990□

[45] □□□□□□□□Sievert 1996□

[46] Bianchi 1989□462–4.

[47] 1933□□□□□□□□□□□□□□□□□□□□□□□Veneto□□□□40□□□□□□□□□□□□□□□□□□□□□Bevilacqua 1989□Clark 1984□127–30□□□□1939□□□□□□□□□□□□□□□□□□□□□□□□□□Corona and Massullo 1989□375–426□□□Robertson 1938□

[48] □□□□□Bevilacqua 1989□

[49] Sievert 1996□89–90□□□□□□□□□□□□□□□□□□□□□□

[50] De Rosa 1989.

[51] Bevilacqua 1989□298–301.

[52] □□□□□□□□□Sadkovich 1996□□□□□□□□□□□□□□□□20□□30□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[53] Fontana 1981□138.

[54] □□□□□□□Corner 1975 on Ferrara□

[55] □□□□□□Graf 1985□Schwarz et al.1990□□Worster 1985□□□□□□——□□□□□□□White 1995□□□□□□□□□NRC 1989□

[56] □□□□□□□□□□□□□□□□□□□□□□1905□□□□□□□□□□□□□□□□□□□□□□□□□□

[57] Postel 1992□□□□□□□□□Lowi 1993□□□□□□□Waterbury 1979□□□□□□□Grove 1985□

[58] Smil 1993□45.

[59] Gleick 1999□84–91.

[60] GEMS 1989□150.

[61] Meyer 1996□77.

[62] □□Neuvy 1991□187–9□Obeng 1977□□□□□□□□□Gleick 1993□170–224□□□□□□□□Gleick 1999□78 and Gutman 1994□Adams 1992□22–3□□□□□□□□“□□□□□”□□□□□□□“□□□□□”□

[63] NRC 1992□169,194□□□□□□90%□□□□□□□□□□□□□□□Stanners and Bourdeau 1995□81–2□□

[64] Daniel 1977□Galat and Frazier 1995□Outwater 1996□128–30□Phillips 1994□Turner and Rabalais 1991.

[65] NRC 1992□177□□□□□□□□□□□□□□□□□□□65%□75%□Stanners and Bourdeau 1995□82□□□Adams 1992□128–54□□□□□□□□

[66] De Jong 1987□83–5□Lambert 1971□Williams 1990a.

[67] Prince 1997□121□□□□□□□□□□□□□American Notes□□

[68] Outwater 1996□126.

[69] Prince 1997□Williams 1990a□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□2□□□□□□□□□□□□2000□□□□□□□□□□□□□7—19□□□□□□□□□□□□□□□□□□□□□□□□□□□□□700□□1200□□□□□□Outwater□□□□□30□□□□□□□77□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Outwater 1996□17–21,31–2□□□□□□Naiman et al.1986□

[70] □□□□□T.E.Dahl,Wetland Losses in the United States□1780s–1980s,Report to Congress,U.S.Department of Interior□□Gleick 1993□295–6□□□□□□□□□□□6900□□□□□□□□□□□□□□□□□□□□□□□□□□□□Vileisis 1997□

[71] ReVelle and ReVelle 1992□55.

[72] Richards 1990a□Richards and Flint 1990.

[73] J.F.Richards□□□□Gleick 1993□293□Zamora□□□□□□□Tolba and El-Kholy 1992□170□□□□□□□□□□□□Ruddle 1987□

[74] Meyer 1996□72□Tolba and El-Kholy 1992□169–73.

[75] De Jong 1987□83–4□Tolba and El-Kholy 1992□112□van Lier 1991.

[76] Walker 1984.

[77] Postel et al.1996□“□□”□use□□“□□”□appropriation□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[illegible]6[illegible] [illegible]

[illegible]

——[illegible]Pliny the Elder[illegible]*Natural History*[illegible]

“[illegible]”[illegible]biosphere[illegible]·[illegible]Edward Seuss[illegible]20[illegible]——[illegible]Vladimir Ivanovich Vernadsky[illegible]1863—1945[illegible]Pierre Teilhard de Chardin[illegible]1881—1955[illegible]biota[illegible]

[illegible]35[illegible]400[illegible]400[illegible]50[illegible]3[illegible]4[illegible]coevolution[illegible]

[illegible]20[illegible]seafloor vent[illegible]“[illegible]”[illegible][1][illegible]20[illegible]

[illegible]20[illegible]

[illegible]

[illegible]

[illegible]20[illegible]Homo sapiens[illegible]1880[illegible]20[illegible]

[illegible][2]

[illegible]1880[illegible][3] 1880[illegible]·[illegible]Louis Pasteur[illegible]1822—1895[illegible]·[illegible]Robert Koch[illegible]1843—1910[illegible]

[illegible]19[illegible]1880[illegible]1880—1960[illegible][4]

1830[illegible]1850[illegible]4[illegible]

1832[illegible]19[illegible]

[illegible]·[illegible]5[illegible]1831[illegible]1890[illegible]1920[illegible][5]

19[illegible]1900[illegible]

19[illegible]1500—1850[illegible]1850[illegible][6][illegible]

[illegible]19[illegible]80[illegible]transmission cycle[illegible]1890[illegible][7][illegible]1898[illegible]1904[illegible]1900[illegible]1925[illegible][8]

[illegible]20[illegible]1908[illegible]Rockefeller Institute[illegible]Sanitary Commission[illegible]·[illegible]John D.Rockefeller[illegible]1839—1937[illegible]20[illegible]20[illegible]United Fruit Company[illegible]Standard Oil[illegible]1920—1923[illegible]

[illegible] [9]

[illegible] [10] [illegible] 20 [illegible] 1880 [illegible] 1904—1905 [illegible] [11] [illegible] 1905 [illegible]

1940 [illegible] 20 [illegible] 1940 [illegible] 2500 [illegible] 1877 [illegible] J.F.Joubert [illegible] [12] [illegible] [13]

[illegible] 1928 [illegible] · [illegible] Alexander Fleming [illegible] 1881—1955 [illegible] 1929 [illegible] penicillin [illegible] 1940 [illegible] · [illegible] Howard Florey [illegible] 1898—1968 [illegible] Peoria [illegible] 1943 [illegible] 1990 [illegible] 2.5 [illegible]

1897 [illegible] 20 [illegible] 1721 [illegible] 19 [illegible] 80 [illegible] [14] [illegible] 1897 [illegible] 1915 [illegible] 1921 [illegible] 19 [illegible] 90 [illegible] 20 [illegible] 30 [illegible] 1923 [illegible] 20 [illegible] 30 [illegible] 1937 [illegible] 1945 [illegible] 1954 [illegible] 1962 [illegible]

[illegible]1945—1963[illegible]

[illegible]1920—1990[illegible]20[illegible][15][illegible]

[illegible]/[illegible] [illegible]1915—1922[illegible][16][illegible]1919[illegible]1923[illegible]1930[illegible]“[illegible]”[illegible][17][illegible]20[illegible]70[illegible]

1880[illegible]1492[illegible]150[illegible]80%[illegible]90%[illegible]1880[illegible]1880[illegible]

[illegible]1948[illegible]·[illegible]George Marshall[illegible]1967[illegible]U.S.Surgeon General[illegible]“[illegible]”[illegible][18]

1948[illegible]10[illegible]5000[illegible]20[illegible]3[illegible]1977[illegible]1978[illegible]1980[illegible]Koltsovo[illegible][19][illegible]

1946[illegible] 1945[illegible]1946[illegible]20[illegible]70[illegible]multipledrug-resistant[illegible]MDR[illegible]

[illegible][20][illegible]20[illegible]50[illegible]20[illegible]90[illegible]1981[illegible]10[illegible]20[illegible]50[illegible][21]

[illegible]“[illegible]”[illegible]tragedy of the commons[illegible]

[illegible]1977[illegible]1985[illegible]19[illegible]20[illegible]80[illegible]20[illegible]90[illegible]70%[illegible]1997[illegible]5000[illegible]human immunodeficiency virus[illegible]HIV[illegible]1985[illegible]HIV[illegible]1/4[illegible]1990[illegible]250[illegible]1995[illegible]300[illegible][22]

[illegible]1955[illegible]1992[illegible]DDT[illegible]1945[illegible]DDT[illegible]1977[illegible]1960[illegible]60[illegible]chloroquine[illegible]20[illegible]80[illegible]20[illegible]90[illegible]200[illegible]250[illegible]300[illegible][23]

[illegible]20[illegible]80[illegible]shigella[illegible]1992[illegible][24]

[illegible][25][illegible]20[illegible][26]

[illegible] 1970[illegible]1989[illegible]70[illegible]20[illegible]60[illegible]65[illegible]1995[illegible]58[illegible][27][illegible]1975[illegible][28]

[illegible]1950[illegible]1910—1949[illegible]1950[illegible][29]

[illegible]1945[illegible]1950—1990[illegible]

[illegible][30][illegible]20[illegible]

[illegible] 20[illegible]5[illegible]1990[illegible]4[illegible]5[illegible][31]

[illegible][32]1902[illegible]1934[illegible]1942[illegible]falciparum malaria[illegible]13[illegible]1944—1995[illegible][33]

[illegible] 1850 [illegible] 1910 [illegible] 1960 [illegible] 1930 [illegible] Anopheles gambiae [illegible] 16 [illegible] 2 [illegible] 1938—1939 [illegible] [34] 20 [illegible] 20 [illegible] 1918—1919 [illegible] 3000 [illegible] 20 [illegible] 90 [illegible] 5 [illegible] [35] [illegible] [36] [illegible]

[illegible] 19 [illegible] 20 [illegible]

[illegible] 1880—1930 [illegible] rinderpest [illegible] tsetse fly [illegible] Glossina [illegible] trypanosomes [illegible] trypanosomiasis [illegible]

[illegible] 1890 [illegible] 1890—1940 [illegible] [37]

[illegible] 1900—1905 [illegible] 25 [illegible] 19 [illegible] 80 [illegible] 1925 [illegible] 20 [illegible] 80 [illegible]

[illegible]1885[illegible]“[illegible]”[illegible]scramble for Africa[illegible][38]

[illegible]20[illegible]40[illegible]lassa fever[illegible]1969[illegible]Marburg virus[illegible]1967[illegible]1976[illegible]1997[illegible]230[illegible]1959[illegible]20[illegible]70[illegible]20[illegible]80[illegible]1998[illegible]4700[illegible]2/3[illegible]1978—1998[illegible]1400[illegible][39]

[illegible]1970[illegible]

[illegible]20[illegible]“[illegible]”[illegible]synanthrope[illegible]20[illegible]90[illegible]100[illegible]200[illegible]

[illegible]1/5[illegible]1950[illegible]1970[illegible][40]

[illegible]1918[illegible]“[illegible]”[illegible][41]

[illegible]1889[illegible]19[illegible]90[illegible]90%[illegible]2/3[illegible]20[illegible][42]

[illegible]20[illegible][43]20[illegible]4[illegible]

[illegible]1975[illegible]30[illegible][44][illegible]

[illegible]·[illegible]Edward Jenner[illegible]1798[illegible]“[illegible]”[45][illegible]20[illegible]1980[illegible]

[illegible]20[illegible][46]

[illegible]

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□6.1 1990□□□□□□□□□□□□□□

	土地覆盖类别（百万平方千米）			
年份	森林与林地	草地	牧场	耕地
公元前 8000	65	63	0	0
1700	62	63	5	2.7
…	…	…	…	…
1850	60	60	8	5.4
…	…	…	…	…
1890	58	55	13	7.5
1900	58	54	14	8.0
1910	57	52	15	8.6
1920	57	51	16	9.1
1930	56	49	19	10.0
1940	44	47	21	10.8
1950	44	45	23	11.7
1960	53	41	27	12.8
1970	51	38	30	13.9
1980	51	35	33	15.0
1990	48	36	34	15.2

□ □ □ □ Graetz 1994□RIVM 1997 □ table A22□Richards 1990b□WRI 1996□WRI 1997

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1700□□1830□□1930□□1930□□□□□□□1700□□□□□4□□□□□□□□□□□□□□□1700—1930□□□□□□□□□

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20□□□□□□□2□□□□□□□□□4□□

[illegible]

[illegible]1900[illegible]1000[illegible]1[illegible]2[illegible]70%[illegible]90%[illegible] [54]

[illegible]20[illegible]90[illegible]10%[illegible]4[illegible]1945[illegible]

[illegible]19[illegible]30[illegible]1861—1865[illegible]19[illegible]50[illegible]1892[illegible]1920—1955[illegible]20[illegible]30[illegible] [55] [illegible]6.2[illegible]1950[illegible] [56] 1970[illegible] [57] [illegible]1980[illegible]80[illegible] [58]

[illegible]6.2 [illegible]1920—1990[illegible]

	数量（单位：百万）		
年份	美国	苏联	全球
1920	0.25	0	0.3
1930	1.0	0.05	1.1

续表

	数量（单位：百万）		
年份	美国	苏联	全球
1940	1.6	0.5	3
1950	3.4	0.6	6
1960	4.7	1.3	10
1970	4.6	2.0	16
1980	4.8	2.4	24
1990	4.6	2.7	26

[illegible]Stanton 1998[illegible]Vasey 1992[illegible]Volin 1970

[illegible]harvesting combine[illegible]20[illegible]20[illegible][59][illegible]monoculture[illegible][60][illegible][61][illegible]1920[illegible]1/4[illegible]

[illegible]1920[illegible]1990[illegible]2%[illegible]3%[illegible]20[illegible]40[illegible]20[illegible]80[illegible]30%[illegible]

[illegible]1890—1930[illegible]1935—1985[illegible]3[illegible]1940[illegible]1600[illegible]1968[illegible]1.1[illegible]1977[illegible]4[illegible]3[illegible][62]

[illegible]20[illegible]

[illegible]Green Revolution[illegible]20[illegible]40[illegible]60[illegible]70[illegible]dwarf wheat[illegible]20[illegible]

[illegible]Gregor Mendel[illegible]1822—1884[illegible]mathematical genetics[illegible]1900[illegible]19[illegible]80[illegible]1925[illegible]10[illegible]1935[illegible]1946[illegible]10[illegible]10[illegible][63]

[illegible]1876[illegible]1918[illegible]double-cross[illegible]1930[illegible]1%[illegible]10[illegible]1939[illegible]1/6[illegible]1950[illegible]3/4[illegible]1970[illegible]99%[illegible]20[illegible]3[illegible]4[illegible][64]

[illegible]20[illegible]20[illegible]·[illegible]Henry Wallace[illegible][65][illegible]“[illegible]”[illegible]

[illegible]1941—1943[illegible]·[illegible]Norman Borlaug[illegible]1914[illegible][66][illegible]1944[illegible]·[illegible]1953[illegible]10[illegible]

[illegible]1970[illegible]Hermosillo[illegible]U.S.Agency for International Development,AID[illegible]1963[illegible]1968[illegible]18[illegible][67]

1960[illegible]International Rice Research Institute[illegible]IRRI[illegible][68][illegible]20[illegible]20[illegible]60[illegible]1959[illegible]1959—1961[illegible]“[illegible]”[illegible][69]

[illegible][70][illegible]20[illegible]60[illegible]1949[illegible]

[illegible][71][illegible]20[illegible]60[illegible]70[illegible]

[illegible]1970[illegible]10%[illegible]15%

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□6.3 93□□□□□□□□□□□□1961—1992□

作物	单产量（公斤／公顷）				增长系数 1961—1992
	1961—1963	1969—1971	1979—1981	1990—1992	
小麦	868	1153	1637	2364	2.7
稻米	1818	2218	2653	3459	1.9
玉米	1157	1456	1958	2531	2.2

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□□□[74]□□□1990□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1985□□□□100□□□□□□□□□□2/3□□□□[75]□□□5□□

[illegible][76][illegible][77]

[illegible]“[illegible]”[illegible]Green Revolution kulaks[illegible][78]

[illegible]

[illegible]“[illegible]”[illegible]1950[illegible]7[illegible]1985[illegible]36[illegible]36[illegible]1981[illegible][79]

[illegible]1846[illegible]Corn Laws[illegible]1890—1940[illegible]20[illegible]30[illegible]1942[illegible]1947[illegible]20[illegible]80[illegible]1936[illegible]30%[illegible]1986[illegible][80][illegible]1945[illegible][81][illegible]20[illegible]60[illegible]1960[illegible]1965[illegible]

[illegible]genetic manipulation[illegible][82]

[illegible]

1940[illegible]20[illegible]1996[illegible]prime farmland[illegible][83]

[illegible]20[illegible]

[illegible]20[illegible]

[illegible]“[illegible]”[illegible][84][illegible]

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[1] [illegible]“[illegible]”[illegible]

[2] [illegible]

[3] [illegible]Mercer 1990[illegible]

[4] [illegible]Hays 1998[illegible]

[5] [illegible]20[illegible]10[illegible]1940[illegible]1960[illegible]

[6] Northrup 1995[illegible]120–4.

[7] Curtin 1989.

[8] [illegible]19[illegible]Lyons 1992[illegible]Kunitz 1994[illegible]

[9] Jennings 1988[illegible]28–32[illegible]Ettling 1981[illegible]1916[illegible]Hewa 1992[illegible]Chomsky 1996[illegible]

[10] McNeill 1976□235–91□□□□□□□□□Cooter 1993□□□□□

[11] □□□□□□□□□□□□□□□1907—1970□□□□□□□□□Miège 1989□211□

[12] Dobson and Carper 1996□□□

[13] □□□□□□□□□□□□□□□□□□□□□□□□□□Masai□□□□□□□

[14] Moulin 1992□□□□□□□□□□□□□

[15] □□□□□□□□□□□□□□□□RIVM/UNEP 1997□96□□□□□□□□□□□□□□1920□□□□□□□□□□□□□□1945□□□□□□□□□□□□□20□□□□□□□□□□□□□□

[16] □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1917□□□□□□□□□□□□Hutchinson 1985□□

[17] □□□□□Feshbach and Friendly 1992□37□□□Johnson 1988□Solomon□□Hutchinson 1990□

[18] Bloom and Murray 1992□1055□□□□□□□1969□□Porter 1997□491□□□Tenner 1996□58□Garrett 1994□33□□□1967□□

[19] □□□□□□□□□□□□Fenner 1993 and Oldstone 1998□27–44□1958□□□□□□□□□□□□□□□□1996□□□□□□□□□□□□□□□□□□□□□□□□□□□guinea worm disease□□□□□□river blindness□□□□□□□□□□□□□□□□□□□□□□□□□□

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[22] Ewald 1994□65□Raviglione et al.1995□1995□□20□□□□□□□□□□□□□□bacillus□□□□□□□1/3□□□□Dobson and Carper 1996□□

[23] □□□□□□□□□□□□Murray and Lopez 1996□□

[24] Epstein et al.1994.

[25] □□□□□□□□□□□□□□□□□□□□□20□□□5□10□□□20□□60□□□Society for General Microbiology 1995□Levy 1992□Garrett 1994□

[26] Garrett 1994□□□□□□□□Murray and Lopez 1996□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[27] Feshbach and Friendly 1992 □ app.4□Population Reference Bureau,1996,World Population Data Sheet□Bridges and Bridges 1996□178□□□□□□□□□

[28] □□□Bloom and Murray 1992□1059–60□□

[29] Lucas 1982□□□1949□□□□□□□□□□□□□□□□□Yip 1995□105–14□

[30] □□□□□□□□□□□□□□□□□□□□□□□□□□□1987—1992□□□

[31] □□□□□□□□□□□□□□□□□□□□□□□□□□Brinkmann 1994□304–6□□Brinkmann□□Kunitz 1994□11□

[32] □□Gallagher 1990□

[33] Ibid.34–5□Hunter et al.1993□43–4.

[34] Curtin 1993□346–7.

[35] Chen 1994□323.

[36] Shope and Evans 1993.

[37] Giblin 1992.

[38] Ford 1971□Lyons 1992□Hoppe 1997□Giblin 1990 and 1992□Maddox et al.1996□Headrick 1994□67–94□273–384□□□20□□20□□□□□□□□□□□□□□□□□Congo-Océan railway□□□□□10%□30%□□□Headrick 1994□68□□Waller 1990□□□□□□□□□□□□□□□□□□□□□□□□□□

[39] □□Morse 1993□□□□□□Murphy 1994□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□The Economist,4 July 1998□79□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Science News 153□85□□□□□□□□□□□□□□□□□□□□The Economist,6 February 1999□86□□□Beatrice Hahn□□□□□□□□□□□□□□□□□□□□□□□□□□□1920□□□□□□□□□□□□□□□□□□□□□□□□□1960□□□□□□□□□□□□1945□□□□□□1974□□□□□□Lyme disease□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□150□□□□□□Spielman 1994□□□19□□

[40] □□□□□□□□□□□□Hantavirus□□□□□□□□□Argentine hemorrhagic fever□□□□□□□□□□□□□□□□□□□□□

[41] Beveridge 1993□Murphy and Nathanson 1994□

[42] □□□□□□Dobson and May 1986□Ford 1971□138–40□Iliffe 1995□208–11□Ranger 1992□Spinage 1962□

[43] 20□□□□□□□□□Guayaquil□□□Pineo 1996□□

[44] □□□30□□□□□□□□□□WHO 1996□

[45] Wills 1996□29□□□□

[46] □□□Cliff et al.1998□□□□□□□□□□□□□□□□□

[47] RIVM/UNEP 1997□75□Vitousek et al.1986.

[48] □□□1980□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Houghton 1994□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[49] Hannah et al.1994□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□20□□90□□□□□□□□□27%□□□□□□□□□□□□□□□□□□□□□□□□□□□□/□□□□□□□“□□□□□□”□□□□□□□□10□□

[50] Ioffe and Nefedova 1997□71-5.

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[52] Biswas 1994□□□□□□□□□□□□□□□□8.4%□

[53] □1945—1990□□□□□□□□□□200□□□□□□□□□20□□90□□□□□□500□□1000□□□□Gardner 1997□49□Xu and Peel 1991□258□□Smil 1993□57□□□1957—1990□□□□□1500□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Douglas 1994□Biswas 1994□□□□150□□□□□□□□□□□□□□□700□□800□□□□□□□□□□□□□□

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[55] Fitzgerald 1996□□□□□□□□□□□□□□□□1929□□□□□□□□□□□

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[61] □□□Andreas Kruess and Teja Tscharntke,Science News,June 11,1994□375□□□□□

[62] Bairoch 1989□327□□□□□□□□□□□□□□□□□□□19□□□□3□□□□□20□□□□13□□□□1985□□□□□□□□□□□□□□□1950□□□□

[63] Hayami and Yamada 1991□Hayami 1975□□□□□□□□□□□□□□□□□□□□□□□□□□□1912□□□□□□□□□□□□1932□□□□□1/4□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□70□□□□□□□□□□□□□□□□□□□□□□□□□Dalrymple 1974□10–11□□

[64] Mangelsdorf 1974□211–14□□□□□□□□□□□□□□□□□“□□”□generation□□□□□□□□□□□□□□□□□□Fitzgerald 1990□

[65] □□□□1888—1965□□1941□□Progressive Party□□□□□□□□□□□□

[66] Jennings 1988□□□1940□□□□□□□□□□□□Avila Camacho□□□□□□□□□□□□□□□□□□□□Lázaro Cárdenas□□□Fitzgerald 1986□

[67] Lupton 1987□68–9.

[68] Anderson 1991.

[69] Dalrymple 1974□10–15,73–75.

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[71] □□□1964□□□□□□480□U.S.Public Law 480□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[72] Tolba and El-Kholy 1992□296□WRI 1996□226.

[73] Bairoch 1989.

[74] 1955—1988□□□□□□□□□□□□□□4□□□□□Tolba and El-Kholy 1992□295□□□□

[75] Ibid.p.296□□□□Pimentel and Lehman 1993□

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[79] Bairoch 1989□346□

[80] Blaxter and Robertson 1995□□□

[81] [illegible]Cochrane 1993[illegible]Hayami and Yamada 1991[illegible]1880—1985[illegible]100[illegible]16[illegible]4.4[illegible]Hayami and Yamada 1991[illegible]253–4[illegible]

[82] [illegible]Burmeister 1990[illegible]Freeman 1993[illegible]

[83] [illegible]Dennis Avery[illegible]The Economist,16 July 1996[illegible]23[illegible]

[84] Epistles 10[illegible]24[illegible]“Naturam expellas furca tamen usque recurret”.

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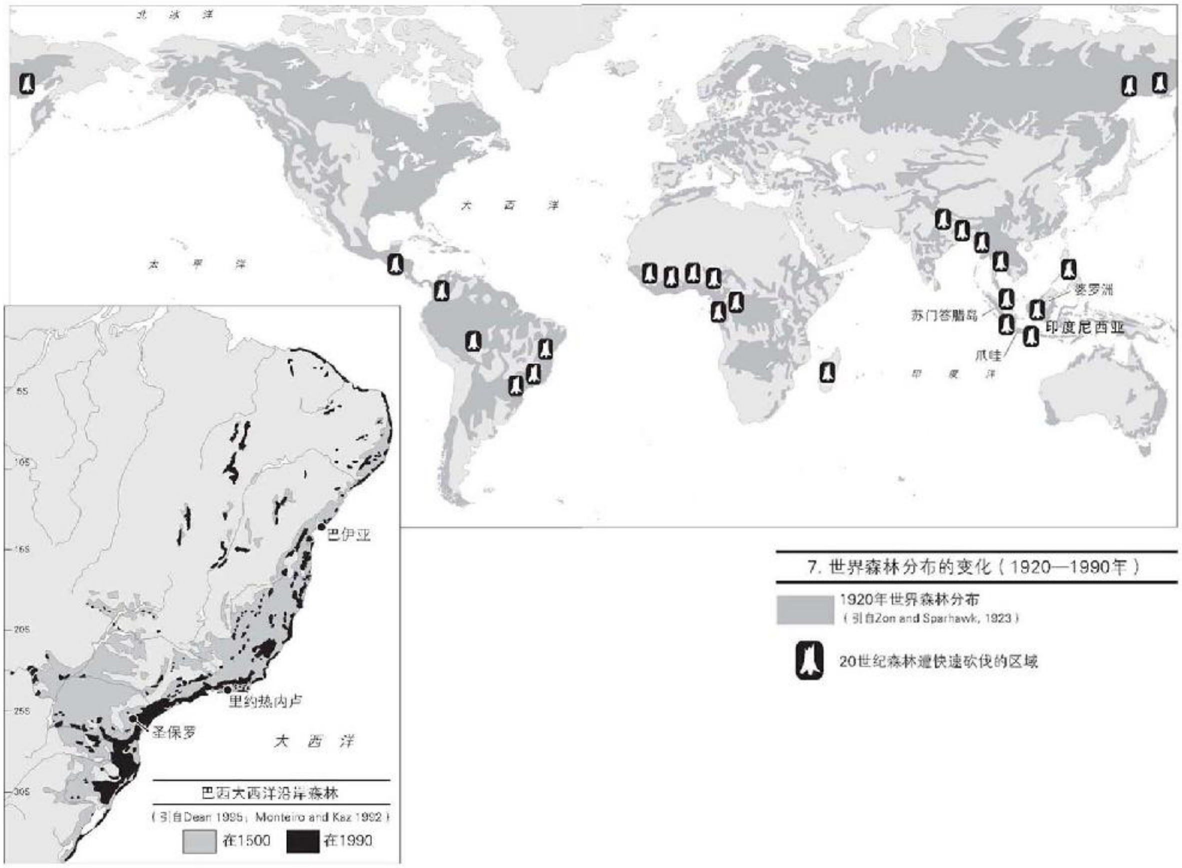
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7. 世界森林分布的变化（1920—1990年）

[illegible]1860[illegible]90%[illegible][4][illegible]20[illegible]100[illegible]1/6[illegible][5]

[illegible]20[illegible]1910[illegible]1945[illegible]1960[illegible]

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[illegible]1610[illegible]1949[illegible]20[illegible]1955[illegible][11][illegible]1965[illegible]

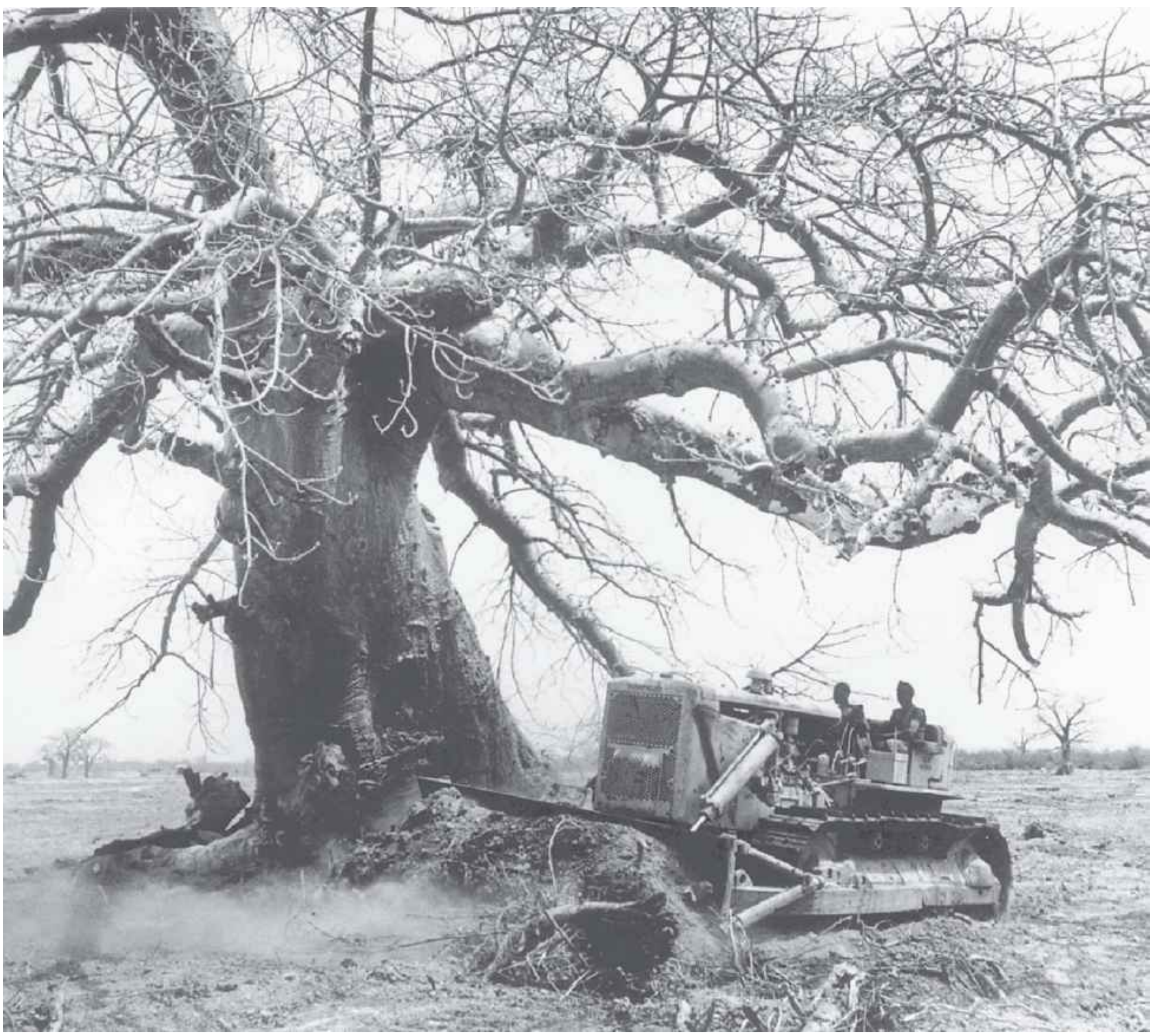
[illegible]1677[illegible]1930[illegible]4200[illegible]1600[illegible]300[illegible]400[illegible]1942—1945[illegible]1941—1967[illegible]1985[illegible]1.05[illegible]20[illegible]60[illegible][12][illegible]1860—1941[illegible][13][illegible]

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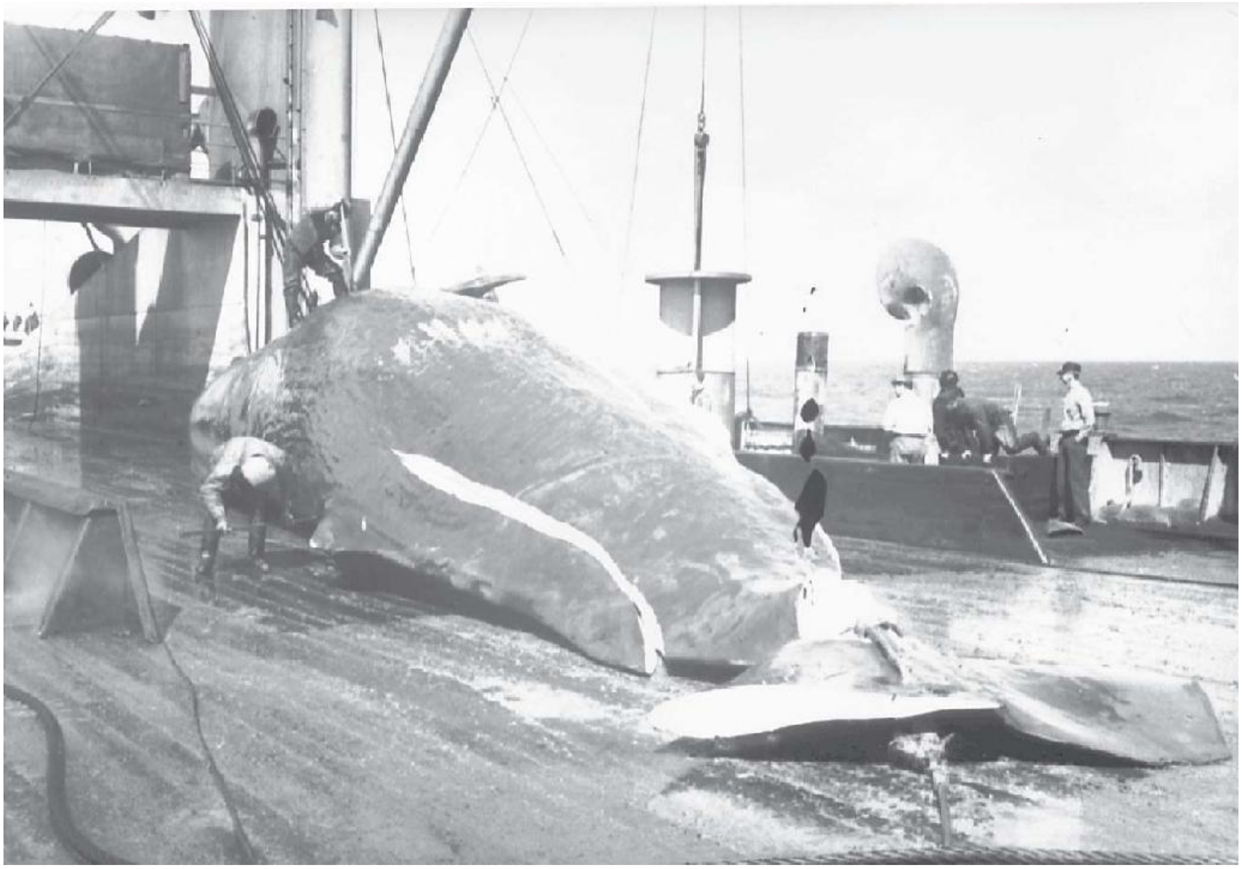
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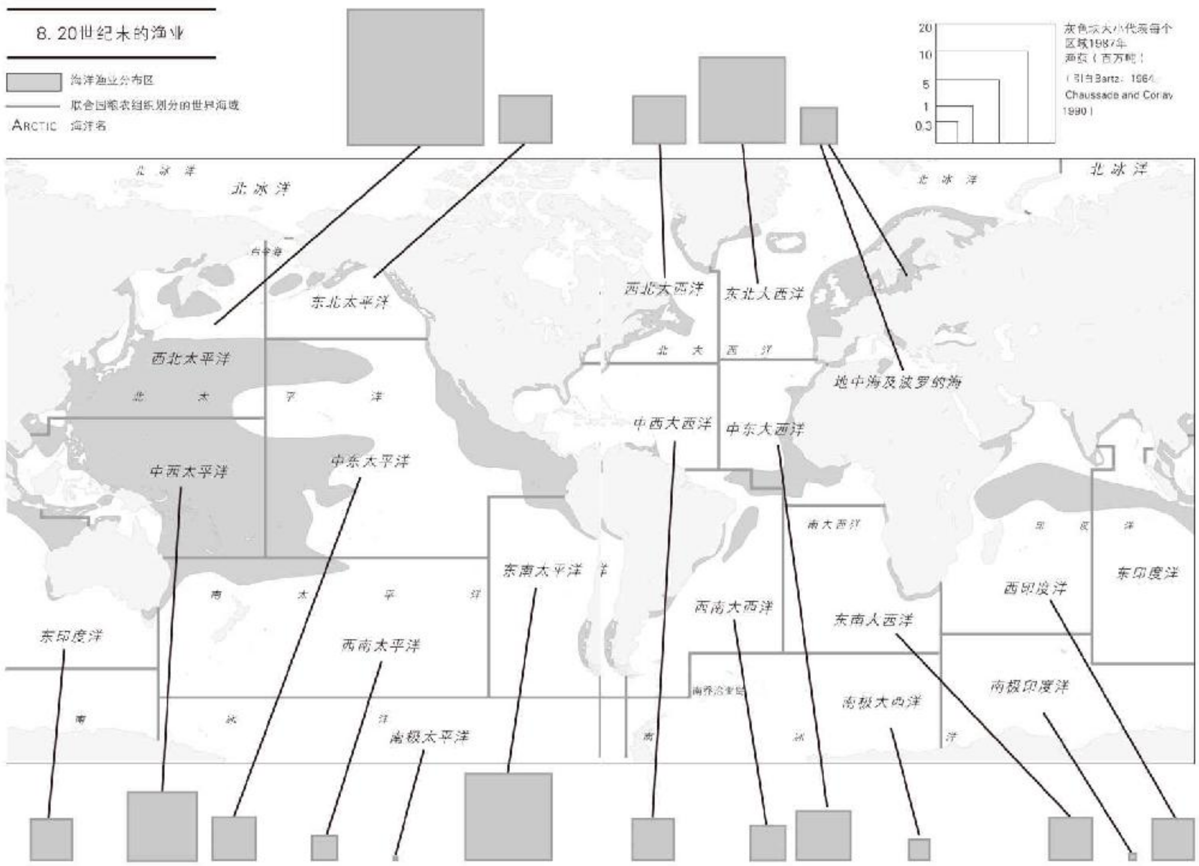
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1900[illegible] [illegible]20[illegible]20[illegible]90[illegible]8%[illegible]primary productivity[illegible][30] [illegible][31]

[illegible][32] [illegible]10[illegible]7.1[illegible]3/4[illegible]by-catch[illegible]20[illegible]90[illegible]1/3[illegible]“[illegible]”[illegible]1/3[illegible]1/2[illegible][33] [illegible]20[illegible]40[illegible]1973[illegible]20[illegible]50[illegible]60[illegible]

[illegible]80[illegible]19[illegible]20[illegible]30[illegible][34]

[illegible]20[illegible]20[illegible]80[illegible]90[illegible]“[illegible]”[illegible]

[illegible]7.1 [illegible]1800—1996[illegible]

	渔获量（百万吨）			
年份	海洋	内陆	水产业	总和
1800	≈ 1			
1850	≈ 1.5			
1900	≈ 2.0			
1938	≈ 22			
1945	≈ 13	≈ 5		≈ 18
1950	≈ 15			
1958	≈ 29			
1961—1963	33			

续表

	渔获量（百万吨）			
年份	海洋	内陆	水产业	总和
1964—1966	40			
1967—1969	47			
1970—1972	51			
1973—1975	51			
1976—1978	54			
1979—1981	56			
1982—1984	60	6	7	73
1985—1987	68	6	9	83
1988—1990	71	6	12	89
1991—1993	68	6	15	89
1994—1996	74	7	21	102

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□□UNFAO 1997□4□□1950—1994□□□□□□□□□1□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1950—1994□□□□□□□□□□□□□□□□□□□□□□

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[illegible]20[illegible]
[illegible][38]

[illegible]20[illegible]50[illegible]Humboldt Current[illegible]ancheveta[illegible]Chilean jack mackerel[illegible]1962[illegible]700[illegible]1967—1971[illegible]1000[illegible]1200[illegible]20%[illegible]1/3[illegible]1972[illegible]470[illegible]15[illegible]200[illegible]400[illegible]15%[illegible]20[illegible]70[illegible]80[illegible]

[illegible]1972[illegible]El Niño[illegible]150[illegible]1982—1983[illegible][39]

[illegible]20[illegible]70[illegible]1945[illegible]1971[illegible]80[illegible]

1971[illegible][40][illegible]1/4[illegible]

1970[illegible]20[illegible]90[illegible]2/3[illegible][41][illegible]20[illegible]90[illegible]900[illegible][42]

[illegible]1950—1971[illegible]

[illegible]

[illegible][43][illegible]20[illegible]70[illegible]200[illegible]exclusive economic zone[illegible]EEZ[illegible]“[illegible]”[illegible][44][illegible]1997[illegible]16[illegible]20[illegible]80[illegible]20[illegible]60[illegible]1990[illegible]1992[illegible]2.5[illegible]——1995[illegible]500[illegible]——[illegible]1970[illegible]1995[illegible][45][illegible]——[illegible]

[illegible]1980[illegible][46]1980[illegible]500[illegible]1996[illegible]2500[illegible]960—1279[illegible]1995[illegible]1988[illegible]80%[illegible]2/3[illegible][47][illegible]10[illegible]15[illegible]20[illegible]21[illegible][48]

[illegible]

[illegible]20[illegible]bioinvasion[illegible][49][illegible]20[illegible]

[illegible]

[illegible]1492—1788[illegible]20[illegible]20[illegible][50]

[illegible]1850—1920[illegible]“[illegible]”[illegible]acclimatization society[illegible]1890—1891[illegible]80[illegible]starling[illegible][51][illegible]Hermann Göring[illegible]Mosel[illegible][52][illegible]

[illegible]boll weevil[illegible]1890[illegible]20[illegible]30[illegible]Mobile[illegible]gypsy moth[illegible]1869[illegible]E.L.Trouvelot[illegible]1906—1991[illegible]1[illegible]20[illegible]90[illegible]1[illegible]1999[illegible]1230[illegible]500[illegible][53]

[illegible]“[illegible]”[illegible]ecological release[illegible]20[illegible][54]

[illegible]Oryctolagus cuniculus[illegible][55][illegible]700[illegible]

[illegible]1859[illegible]·[illegible]Thomas Austin[illegible]Victoria[illegible]6[illegible]

[illegible]2[illegible]1870[illegible]wallaby[illegible]rat kangaroo[illegible]60[illegible]1859—1920[illegible]1902—1907[illegible]2100[illegible]“[illegible]”[illegible]1950[illegible]5[illegible]5000[illegible]myxomatosis[illegible]99.8%[illegible]20[illegible]90[illegible]1[illegible][56]

[illegible]1864[illegible]20[illegible]40[illegible]19[illegible]1945—1950[illegible]San Martin[illegible]15[illegible]20[illegible]5[illegible]

[illegible]Natal[illegible]1656[illegible]Robben Island[illegible]800[illegible][57]

[illegible] chestnut blight[illegible]1897[illegible]Progressive Era[illegible]·[illegible]Frank Meyer[illegible]1905—1918[illegible]2500[illegible]50[illegible]25%[illegible]“[illegible]”[illegible][58][illegible]Dutch elm disease[illegible]1927[illegible]1930[illegible]1900—1975[illegible]1/4[illegible]

20 1800 20 1889—1993 cheatgrass 19 70 tumbleweed 20 40 “ ” professor grass [59]

20 [60] 1850 250 140 1840 20 1974 Lake Kariba Lake Tanganyika “ ” aquatic chicken tilapia Tilapia mossambicus niloticus 1952 20 80 [61]

Nile perch 20 50 200 cichlid 20 70 [62]

Erin Canal 1825 Welland Canal 1829 1825 139 1959 St.Lawrence Seaway ballast water sea lamprey zebra mussel

[illegible] 1850 [illegible] 1920 [illegible] 30 [illegible] 1940—1960 [illegible] 90% [illegible] 1956 [illegible] [63] [illegible] 1958 [illegible] 1970 [illegible] [64]

[illegible] 1985 [illegible] 1986 [illegible] 1988 [illegible] Lake St.Clair [illegible] 1996 [illegible] 20 [illegible] 90 [illegible] 10 [illegible] [65]

[illegible] 1979 [illegible] 1980 [illegible] Mnemiopsis leidyi [illegible] 1988 [illegible] wet biomass [illegible] 95% [illegible] 2.5 [illegible] [66]

[illegible] 20 [illegible] 80 [illegible]

[illegible] 19 [illegible] 80 [illegible] “[illegible]” [illegible] Columbian exchange [illegible] 1492 [illegible] 1930 [illegible] 1880 [illegible] [67]

[illegible] “[illegible]”[illegible]·[illegible]Thomas Jefferson[illegible]1743—1826[illegible]85%[illegible]1980[illegible]40[illegible]DDT[illegible]19[illegible][68]

[illegible]1976[illegible]56[illegible]2[illegible]prickly pear cactus[illegible]St.Johns wort[illegible]chrysolina beetle[illegible]20[illegible]20[illegible]1925[illegible]Cactoblastis cactorum[illegible]Klamath weed[illegible]1900[illegible]1944[illegible]200[illegible]1944[illegible]10[illegible]1%[illegible][69]

[illegible]1993[illegible]16[illegible]1990[illegible]1970[illegible]cassava mite[illegible]10[illegible]Typhlodromalus aripo[illegible]1933[illegible]Benin[illegible]1/3[illegible][70]

[illegible]

[illegible]20[illegible]generalist[illegible][71][illegible]——[illegible]——[illegible][72][illegible]1958[illegible]·[illegible]Charles Elton[illegible]“[illegible]

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[illegible] [79]

[illegible]7.2 [illegible]1890—1990[illegible]

	家畜（单位：百万）					
年份	牛	绵羊	山羊	猪	马	家禽
1890	319	356	52	90	51	706
1910	391	418	83	115	73	828
1930	513	567	153	187	88	1203
1950	644	631	187	300	69	1372
1970	1016	1001	325	634	81	2734
1990	1294	1216	587	856	61	10770
1890—1990 年增长率						
	406%	342%	1129%	951%	119%	1525%

[illegible]RIVM 1997[illegible]95

[illegible]

[illegible]*Theses on Feuerbach* [illegible]20[illegible]20[illegible]

[illegible]20[illegible]clearcut[illegible]Dayak[illegible]

[illegible]

[illegible]20[illegible]20[illegible]

[illegible]1820[illegible]20[illegible]（cyanobacteria[illegible]（metabolic path[illegible]1/1000000000[illegible]1/5[illegible]

---

[1] [illegible]“[illegible]”[illegible]

[2] Meyer 1996：61[illegible]15%[illegible]Williams 1994：106[illegible]17.6%[illegible]WRI 1997[illegible]46%[illegible]7.1[illegible]26%[illegible]Mather 1990 and Williams 1994[illegible]Williams 1990c[illegible]Richards 1990b[illegible]

[3] WRI 1997[illegible]1960—1990[illegible]4.5[illegible]7.1[illegible]2/3[illegible]20[illegible]17[illegible]10[illegible]Williams 1990c,1994[illegible]90[illegible]E.Matthews.Richards 1990b：164[illegible]1700—1980[illegible]12[illegible]

[4] Msyhrt 1990：45.

[5] [illegible]20[illegible]80[illegible]2/3[illegible]Westoby 1989：153[illegible]1960[illegible]10[illegible]1992[illegible]18[illegible]FAOSTAT[illegible]1997[illegible]9[illegible]22[illegible]Planhol 1969[illegible]

[6] [illegible]1950[illegible]Mac-Cleery 1994[illegible]1960[illegible]Mather 1990[illegible]Lower 1973[illegible]MacCleery 1994[illegible]Marchak 1995[illegible]Williams 1988,1990c[illegible]20[illegible]80[illegible]1%[illegible]

[7] Quoted in Dean 1995：245.

[8] Dean 1995[illegible]McNeill 1988[illegible]Houghton et al.1991[illegible]

[9] Totman 1989.

[10] Cox 1988[illegible]Marchak 1995：117–42.

[11] Brookfield et al.1990[illegible]Feeny 1988.

[12] [illegible]

[13] [illegible]Durand 1993[illegible]Peluso 1992[illegible]Potter 1996[illegible]

[14] Potter 1996[illegible]11%[illegible]

[15] Marchak 1995：237–68[illegible]Brookfield et al.1990[illegible]Westoby 1989：133–8[illegible]Potter 1996[illegible]Dauvergne 1997.

[16] WRI 1996：201[illegible]NRC 1993b：34–5[illegible]20[illegible]80[illegible]8%[illegible]

[17] [illegible]Bob Hasan[illegible]Bresnan 1993：267[illegible]Kummer 1991[illegible]

[18] □□□□□□□□□□□□Ellis 1991□Kock 1995□□T.nnessen and Johnsen 1982□□□□□□□□□□□Knox 1994□□□

[19] Hilborn 1990□375–6□□□□□□□□□□□□□□1000□□□□□□□□□□□□

[20] Hilborn 1990□378□□□□□□□□□□□National Research Council 1996□187–88□

[21] □□□□□□□□60□□

[22] □□□□□□□□□□□□□□□□1947□□20□□80□□□□“□□□”□□□

[23] □□□□□□□□□□□□□□□□□□□□□□□□□□□□□20□□□□□□□sperm oil□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□20□□80□□□□□□□□□□□□□□□□□□

[24] Kock 1995 □ 28□Knox 1994 □ 343–6□Payne 1995 □ 269□Tonnessen and Johnsen 1982□751□□□□□□□□□□□□□□□□□International Whaling Commission□□

[25] Payne 1995□298–99□1959—1961□□Kock 1995□29□1949—1980□□□□□□□□□□4.6□□□□□□□8000□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[26] 20□□50□□□flags of convenience□□□□□□□□□□□□□Ellis 1991□431–3□To/nnessen and Johnsen 1982□534–8□□

[27] Kock 1995□19–23□Gambell 1993□Stoett 1997□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Kalland and Moeran 1992□93□

[28] □□□□□□□□□□□□Knox 1994□349–55□Knox□□Knox□□□□□□□□□□□□□□□□□□□□1972□□□Hodgson and Johnston 1997□

[29] Knox 1994□345–6.

[30] Pauly and Christensen 1995.

[31] Caddy 1993□□□□□□□□□□□□□□□□□□□□

[32] Rothschild 1996□□□□□□□□□□□□□□□□□□Caddy and Gulland 1983□

[33] □□□□□□□□The Economist,19 March 1994□24□□□□□□□□□30%□50%□□□□□□□□□□□□Speer et al.1997□5-7□

[34] □□□□□□□□□□□□□□□□□□20□□30□□□□□□□□□□□□□□7.4□□□□□□□□□□□□□□□□□□Hilborn□□□□1800□□□□□100□□□□□□□□□□□□□□28□□□□□□□□20□□□□□□□□□□□□1800□□□□□□□□□□□□□1450□□□□□□□□□□□□□□□□□□□□□Grand Banks□□□□15—18□□□□□□□□□□□□□□□□□□1800□□□□□□□□□□□□□□□□□□□□□

[35] Graham 1956□497.

[36] Yamamoto and Imanishi 1992.

[37] 20□□90□□□□□□□□□□□□□1968□□□□□□□□1/4□□□□□□□□□□□□□□□□□□□□□□□□□□10%□WRI 1997□297□□

[38] □□□□□□□□□□□□□□□□Carré1982□Glantz 1992□Hilborn 1990□McEvoy 1986□Speer et al.1997□UNFAO 1997□

[39] Caviedes and Fik 1992□1998□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□50%□75%□

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[41] UNFAO 1997□36,65□□1991□□20%□40%□□□□□□□□Elmgren 1989□□1982□□□□□□□□□□□□□□□□□5□□□□

[42] Paul 1987□UNFAO 1997□Troadec 1989.

[43] Ludwig et al.1993□□

[44] □1965—1980□□□□□□□□□□□□□□50□□□□0□Sparks 1984□□

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[46] □□□□2500□□□□□□□□Landau 1992□4□□

[47] 1982□□□□□□□□□□□□□□□□□□□□□□□□□□□□Gujja and Finger-Stich 1996□□□□□□□□□□□□Nakahara 1992□Liao and Shyu 1992□

[48] □□□□□□□□Landau 1992□UNFAO 1997□11–13□

[49] □□□□□□□□□□□Elton 1958□Groves and Burdon 1986□Williamson 1996□

[50] Burney 1996□□□□□□□□10%□□□□□□□□□□10%□□□□□□□□□□economically significant□□□□□Williamson 1996□□

[51] Tenner 1996□119–21□□□□□□Eugene Schieffelin□□□□□□□□□□Williamson 1996□46–7□□□□□□40□□□□□□□□□□□□□□Elton 1958□22–4□□□□□Long 1981□□□□□□□□□□□□□□□□□□□□□□□□20□□60□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[52] Druett 1983□95□□□□□□muskrat□□□□□□□□□□□□1905□□1952□□□□□□□□□□□□□□□□□□□□Williamson 1996□89–92□De Vos et al 1956□□□□

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[54] Di Castri 1989□□□□□□□□□□□□□□□□□□□Sykora 1990□Thellung 1915□

[55] Thompson and King 1994□De Vos et al.1956□Jaksic and Fuentes 1991□□□□□□□

[56] Myers 1986.

[57] □63□□□□□□□□□2□□□□□Rattus rattus□□□□□R.norvegicus□□□Mus musculus□□□□□□□□□□□□□□□□□□□□□Michaux et al.1990□

[58] Anagnostakis and Hillman 1992□Elton 1958□21–4□□□□□□J.L.Harper in von□□□□□Broembsen 1989□□□□□□□□□□Karnosky 1979□

[59] Mack 1986,1989□Manning 1995□169–90.

[60] Ashton and Mitchell 1989□114.

[61] Sreenivasan 1991□Fernando and Holcik 1991.

[62] Dennis 1996□178–9□Ogutu-Ohwayo 1990□Williamson 1996□124–5□□

[63] □□□□□□□□□□□□□□□Illinois Department of Energy and Natural Resources 1994,3□159–60□□□1965□□□

[64] Mills et al.1993□Regier and Goodier 1992□1980□□□Illinois Department of Energy and Natural Resources 1994,3□165–6□□

[65] Mills et al.1993□USOTA 1993□Washington Post,14 May 1997□H1□□□□□□□□□□American Zoologist□1996□6□□□□□□□□□□□□Ludyansky et al.□□□1981□□□□□□□□□□□□□□□□□□□100□□200□□□□□□□□□□1890□□□□□□□□□□□□□□□□□□500□□□□□□□□□□□□□□□□□Simberloff 1996□□

[66] Carlton 1996□Travis 1993.

[67] Carlton 1985,1989,1996□Carlton and Geller 1993□□□□□□□□19□□40□□□□□□80□□□

[68] King 1984□□□□□□□□□Busch et al.1995□92□□□□

[69] Dahlsten 1989□Groves and Burdon 1986□Williamson 1996□120–4□van den Bosch et al.1982□21–35□□□□□□□□□□□□□□□□□□1996—1997□□□□□□□□□□□□□□□□□□□□□

[70] Washington Post,19 May 1997□A3□Biocontrol News and Information,June 1998□□□http□//pest.cabweb.org□81/MEMBER/bni/bni19-2/gennews.htm□

[71] □□□□□□□□□□□□□Drake et al.1989□

[72] □□□□□□□□□□□□□□□10%□18%□□□□□□□□□□□□59%□Sykora 1990□Vitousek et al.1996□□

[73] Elton 1958□31.

[74] □□□□□□□Heywood and Watson 1995□□□□□□□□300□□1□□□□□□175□□□□□□□□□□“□□”□

[75] Heywood and Watson 1995□233–4□May et al.1995□13.

[76] □□□□□□□□□□□□□□□□1850□□□□□□□□□□□□□□□□□□passenger pigeon□□□1900□□□□□□□□□□□□□□□□□□Martha□□□□1914□□□□□□□□□□50□□Redford 1992□□□□□□□□□□□□□□□2000□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□400□□

[77] Heywood and Watson 1995□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Janetos 1997□Kaufman and Mallory 1993□Lawton and May 1995□Leakey and Lewin 1995□□□Wilson 1992□

[78] □□□□□□□□□□□□□□□□□□Heywood and Watson 1995□717–8□□

[79] 1997□□□□□□□2800□□□□□Washington Post,4 October 1997□□

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19[illegible]20[illegible]20[illegible]20[illegible]

[illegible]

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——[illegible]·[illegible]·[illegible]Marcus Terentius Varro[illegible]*De Re Rustica*[illegible]

20[illegible]20[illegible]20[illegible]40[illegible]

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20[illegible]500[illegible]15[illegible]1650[illegible]

[illegible]6[illegible]1950[illegible]“[illegible]”[illegible]demographic transition[illegible][1][illegible]20[illegible]60[illegible]

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□8.1 □□□□□□□1750—1996□□

	百万人					
地区	1750	1800	1850	1900	1950	1996
亚洲	480	602	749	937	1386	3501
欧洲	140	187	266	401	576	728
非洲	95	90	95	120	206	732
北美	1	6	26	81	167	295
中南美	11	19	33	63	162	486
大洋洲	2	2	2	6	13	29

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□□1890—1970□□□□□□□□□□□□□□□□□□□1960□□□1960—1990□□□□□□1930—1960□□□□□□□□□□□□□□□□□□□□□□□□□

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[illegible]19[illegible]20[illegible]90[illegible]1900—1940[illegible][11][illegible]meta-analysis[illegible]

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[illegible]quantitative analysis[illegible][12]

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[illegible]20[illegible]1960[illegible][13]

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[illegible]16[illegible]1917[illegible]300[illegible]400[illegible][18][illegible]1917—

1922[illegible]1929[illegible]200[illegible]300[illegible]Urals[illegible]1927—1953[illegible]1000[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1941[illegible]1944[illegible]100[illegible]Kalmyk[illegible]

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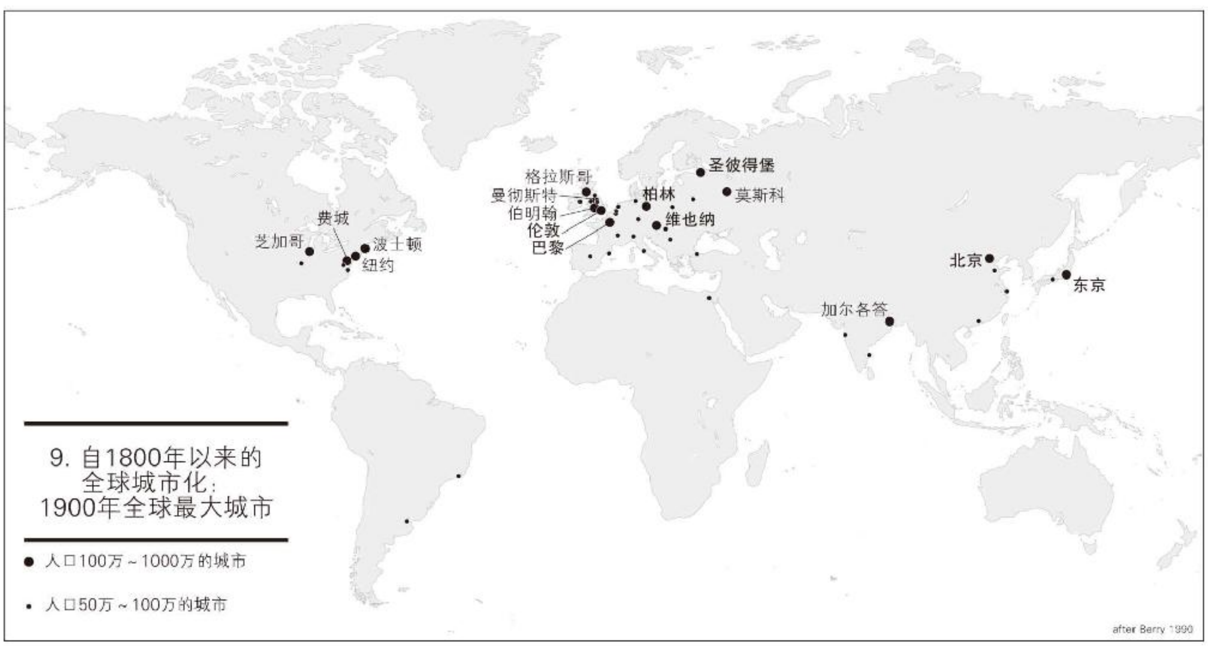
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	占全球人口比重（%）					
地区	1890	1910	1930	1950	1970	1990
美国	35	46	56	64	70	75
日本	30	40	48	56	71	77
西欧	35	45	55	63	72	78
拉美	5	7	17	41	57	71
苏联	12	14	18	39	57	66
非洲	5	5	7	15	23	34
中国	5	5	6	11	17	33
南亚	5	8	12	16	21	28
全球	14	18	23	29	37	43

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[illegible] urban metabolism [illegible] [29]

[illegible] 1900 [illegible] 1990 [illegible] 8 [illegible] [30] [illegible] 4 [illegible] 5 [illegible] 20 [illegible] 20 [illegible]·[illegible] Jaime Lerner [illegible] Curitiba [illegible]

[illegible] 19 [illegible]——[illegible]——[illegible] [31] [illegible] 1870 [illegible] 20 [illegible] 20 [illegible] 1950 [illegible] 3000 [illegible] 20 [illegible] 90 [illegible] 1/4 [illegible]

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[illegible]20[illegible]1936[illegible]“[illegible]”[illegible]green belt[illegible]20[illegible]30[illegible]1950—1990[illegible][38][illegible]

[illegible]20[illegible]1887[illegible]19[illegible]20[illegible]suburbanization[illegible]1870[illegible]1920[illegible][39]

[illegible]1880—1940[illegible]——[illegible]1960[illegible]1910[illegible][40]

1950[illegible]1945[illegible]20[illegible]80[illegible]15[illegible]2/3[illegible][41][illegible]1990[illegible]1900[illegible]13[illegible]20[illegible]90[illegible][42][illegible]

[illegible]1830[illegible]1839—1842[illegible]150[illegible]1900[illegible]25[illegible]1950[illegible]200[illegible]1971[illegible]400[illegible]8.3[illegible]7/8[illegible]

[illegible]40[illegible][43]

[illegible]8.3 1971[illegible]

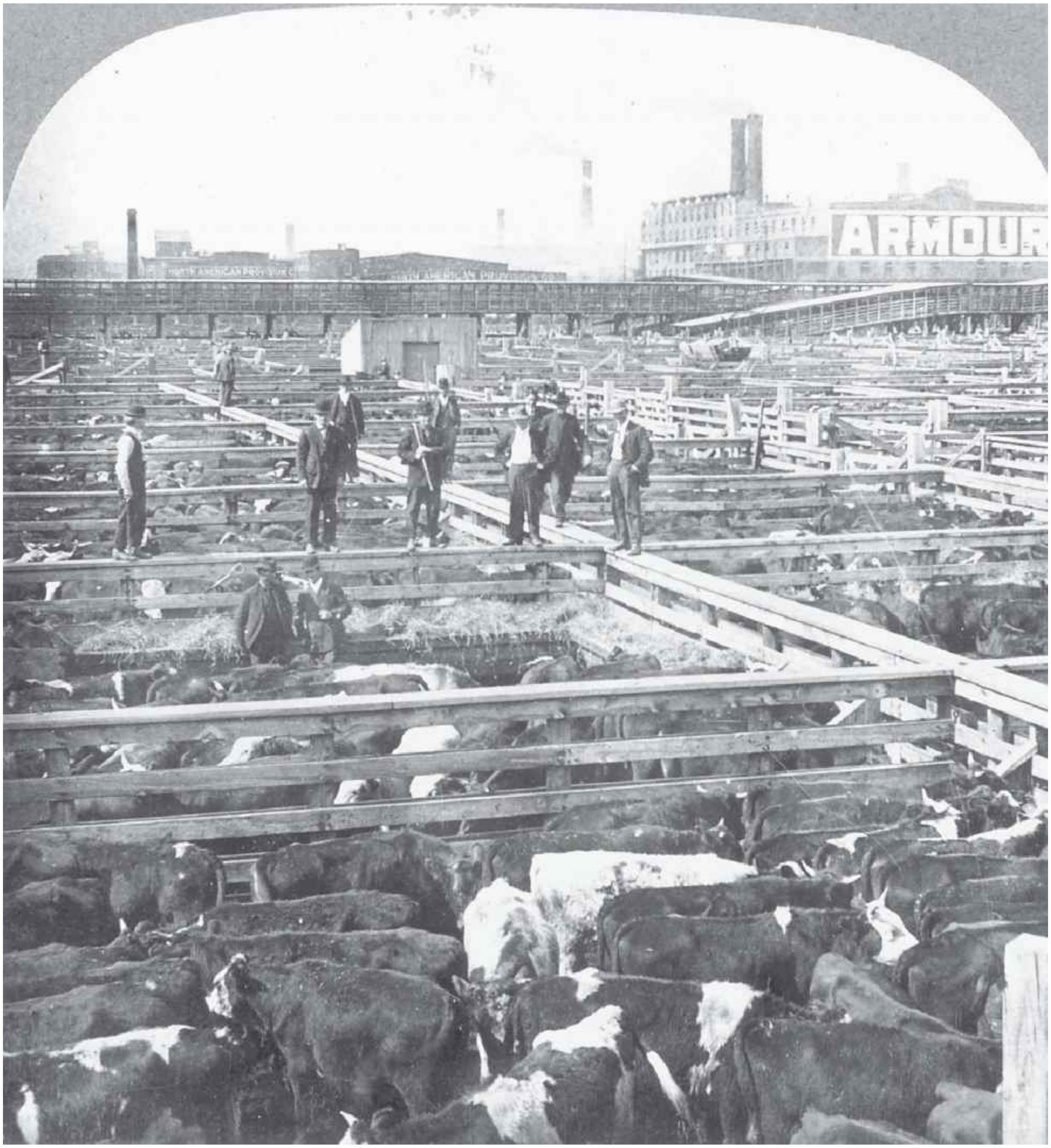
流入（单位：千吨）		流出（单位：千吨）
27	氧气	0
0	二氧化碳	26.5
0	一氧化碳	0.16
0	氧化硫	0.31
0	氧化氮	0.12
0	落尘	0.04
1068	淡水	819
0	污水	819
6.3	食物	0
11.7	汽油	0
0	厨余	0.8
0	污水渣滓	6.3
18	各种货物	8.1
0.53（8827 人）[a]	人	0.52（8632 人）[a]

[illegible]Boyden et al.1981[illegible]116–7

[illegible]a[illegible]Boyden[illegible]60[illegible]

[illegible]1850[illegible][44]
1990[illegible]1900[illegible]30[illegible]35[illegible]1900[illegible]
1940—1985[illegible]7[illegible]

[illegible]1960[illegible][45]



[illegible]1909[illegible]1865[illegible]1900[illegible]·[illegible]Philip Armour[illegible]

[illegible]1900[illegible]1916[illegible]·[illegible]Carl Sandburg[illegible]“[illegible]”[illegible]1500[illegible]2000[illegible]20[illegible]80[illegible]700[illegible]1990[illegible]20[illegible]1960[illegible][46]

[illegible]

[illegible]20[illegible]20[illegible]20[illegible]

[illegible]

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[1] [illegible]30‰[illegible]35‰[illegible]10‰[illegible]12‰[illegible]

[2] Boulding 1964[illegible]135–6[illegible]1910—1993[illegible]

[3] [illegible]GNP[illegible]20[illegible]

[4] Turco 1997[illegible]105[illegible]4:1[illegible]

[5] [illegible]RIVM 1997[illegible]

[6] [illegible]

[7] [illegible]1890[illegible]1880[illegible]Harrison[illegible]1992[illegible]1961—1988[illegible]44%[illegible]1975[illegible]

□□□Ogawa 1991□□Darmstadter and Fri 1992□□□1973—1987□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1%□□□□□□□□□□□□1.8%□□□□□□□□□□□1%□□□□□□□□15□□□□□□□□□□□□□□□□1945□□□□□□□□□□□□□□□□□□□Harrison□□□□□□□□□□□□□□□□□□□□□□□□□□20□□□□□□□□□□□□□□□□□□□□Raskin□1995□□□□□□□□□1950□□1990□□□□□□□□□32%□McKellar et al.1998□120–35□□□□□□□□□□□□□

[8] Lee and Feng 1999□□□□□□□□□□□□□□□1978□□□□□□□□□□1998□□□□□□□□□□□□□□□2.5□□□20□□60□□□□□□□□□□3%□□70□□□□2%□□□1996□□□□□□□□□□□□1.1%□Smil 1993□□□□□□□□□□□□□□

[9] □□□□□□Repetto 1986□□□□□□1911—1983□□□□□□□□□□□□□□□□6□□□□□□□□□□□Maurer 1968□□□□□□□□□□□□□Barker 1995□McNeill 1992b□□Mignon 1981□□1□□□□□□□□□□□□□□□□□□20□□30□□Jacks and Whyte 1939□286–7□□□

[10] □□□□□□□□□□□□□□□□□Falkenmark 1996□□20□□90□□□□□□□Falkenmark□□□□□□□□□□□□□20□□□□□□□□

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[12] Palloni 1994□160.

[13] Repetto and Holmes 1983□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□20□□70□□□□□□Myers 1993□□□□□□□“□□□□□□□□”□□□□

[14] □□

[15] Baines 1995□Thumerelle 1996□106–7.

[16] Klein 1995□211.

[17] Zolberg 1997□288.

[18] Treadgold 1957□159–61□Chesnais 1995□221□1801—1914□□□□□□□□□□□□□□□□□□□□□580□□□□□80%□□□□20%□□□□□□

[19] □□□□□□Polyakov and Ushkalov 1995□Zemskov 1991□□□□□1930—1931□□□□180□□□□□□Andreev-Khomiakov 1997□27–38□20□□30□□□□□□□□□□□□□□□□□□□□

[20] □Geertz 1963□

[21] Knapen 1998.

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[23] Abdoellah 1996□Hardjono 1977,1988□Levang and Sevin 1989 □ Rich 1994□34–8□□□□□□□□□□□

[24] □□7□□Cordell et al.1996□

[25] Macfarlane 1997□22.

[26] □□□□□□□□□□□□□□Hohenberg and Lees 1985□259□□Munch 1993□□□□□□□Lee and Feng 1999□□□□□□□□□□□□□□Hanley 1987□□20□□80□□□□□□20□□□

[27] Berry 1990□104–6□WRI 1997□8–9.

[28] □□□□□□□Clark 1998□□□□1996□□□□□□□□□□□□□

[29] Berry 1990□Douglas 1994□□Gugler 1996□□□□□□□□□□□□□□□

[30] WRI 1997□152–3□1980—1995□□□□□

[31] Hanley 1987□□□□□□□17□□□□□□□□□□

[32] □□□□□□□WRI 1997□42–3□

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[34] Abreu 1988□106,125–6□□□□□□□□□□□□□□□□□□□□□□Pineo and Baer 1998□

[35] Hardoy et al.1993□1990□□□□□□□□

[36] Douglas 1994□□□1990□□□□□□□□1900□□□□□□□□□□□□□□□□□□□1/3□□□□□□□
1/4□□1900□□□□□□□□1990□□

[37] □□Rees 1992□

[38] □□□□□□□□The Wall Street Journal,4 March 1993□□□20□□50□□□□□□□□□□□□
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[39] 1990□□□□□7.2□□□□□□□□□□□□□□□Konvitz 1985□139□□□□□□□□□□□□□□□□□□□□
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Platt 1991□Relph 1987□St.Clair 1986□Vance 1990□□Whitehand 1987□1992□□□□□
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[40] □□□□□□□Ho 1997 and Yeoh 1993□□□□□□□Duus 1995□□□□□□□□□□□□□□□□□
Abreu 1988□□□□□□□□□□Coward 1988□□□□□□□Kosambi 1986□□□□□□□□Low and Yip
1984□□□□□□□□

[41] Jackson 1985.

[42] Hardoy et al.1993□115.

[43] Boyden et al.1981□□□□□□□□Sit 1995□

[44] NRC 1992□22□□□□□□□□□1990□□□□□□□□□□□□□□□□□□□45%□□□□□□□□□□□□□□
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1997□64–5□Simon 1997□60–90□□□□□□□□Romero Lankao 1999□□□□□□□□□□□□□□□□□
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□1865—1960□□
□□□Roberts 1994□318□□□□□□□□Rees 1992□□□□□□□□

[illegible]9[illegible] [illegible]

[illegible]

——[illegible]Lucretius[illegible]*De Rerum Natura*[illegible]

[illegible]20[illegible]“[illegible]”[illegible]cluster[illegible]19[illegible]*Hard Times*[illegible]1854[illegible]Coketown[illegible]“[illegible]”[illegible]coketown cluster[illegible]20[illegible]20[illegible]30[illegible]40[illegible]90[illegible]“[illegible]”[illegible]motown cluster[illegible]

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[illegible] [illegible]19[illegible]20[illegible]1910—1950[illegible]1950—1970[illegible][2] 1973—1984[illegible]



[illegible]Spindletop[illegible]1901[illegible]

[illegible]19[illegible]70[illegible]Baku[illegible]19[illegible]20[illegible]

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[illegible]1924[illegible][7][illegible]1928[illegible]1946[illegible]Lake Maracaibo[illegible]1918[illegible][8][illegible]

1973[illegible]OPEC[illegible]1979[illegible][9][illegible]1973[illegible]1985[illegible]——[illegible]——[illegible]20[illegible]70[illegible]

[illegible]1990[illegible]600[illegible]Royal Dutch Shell[illegible]British Petroleum[illegible]Shell-BP[illegible]1956[illegible]60[illegible]1965[illegible]Port Harcourt[illegible]1967—1970[illegible]Biafra[illegible]20[illegible]70[illegible]20[illegible]80[illegible]Ogoni[illegible][10][illegible]20[illegible]90[illegible]80%[illegible]90%[illegible]1992[illegible]

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[illegible][13]

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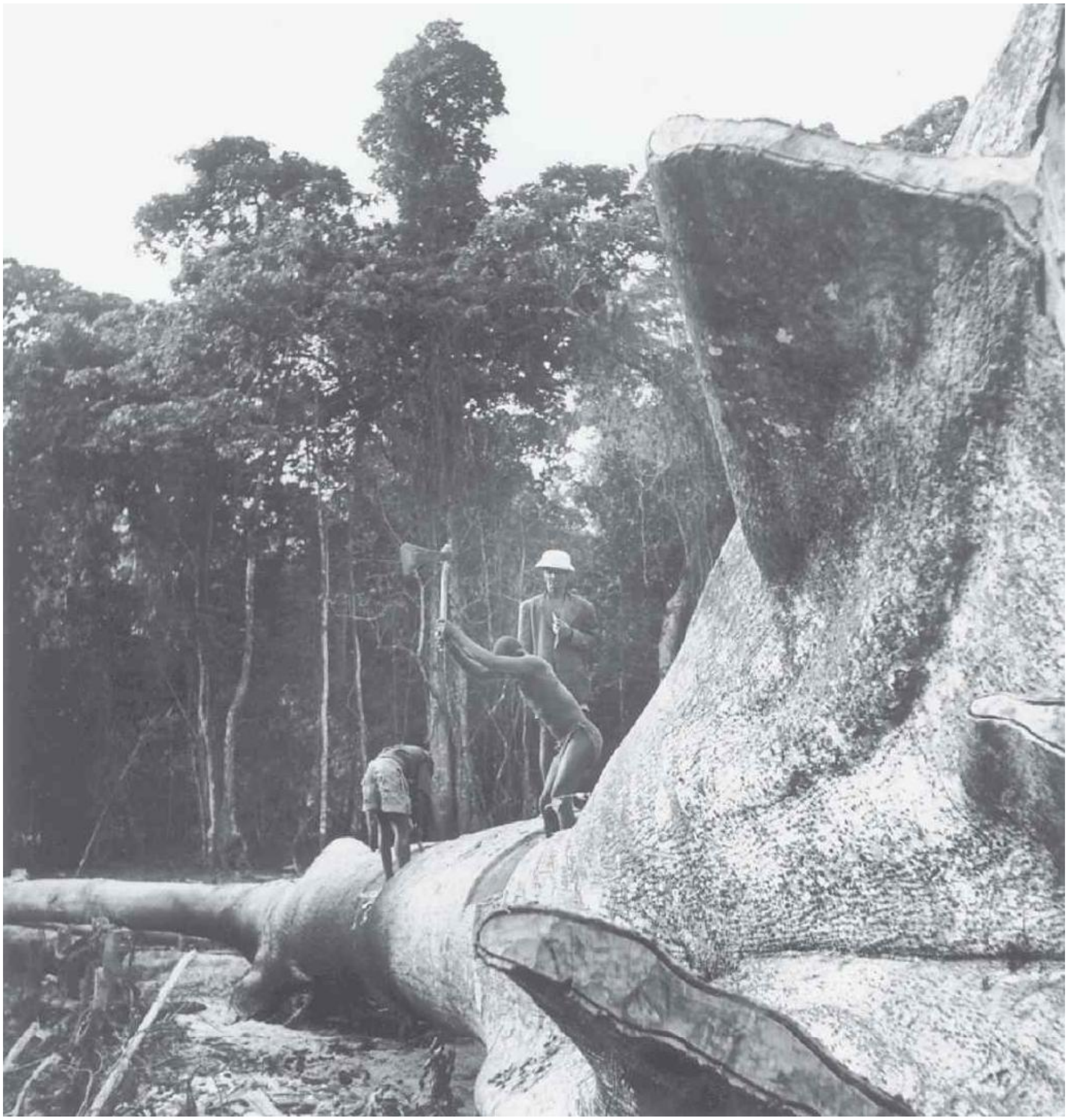
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[illegible]20[illegible]90[illegible]
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1990[illegible]10%[illegible]30%[illegible]1/2[illegible]2/3[illegible]
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[illegible]40[illegible]1956[illegible]
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[illegible]1990[illegible]5%[illegible]10%[illegible] [22]
[illegible]1%[illegible]2%[illegible]

[illegible]1925[illegible]2.5[illegible]5[illegible]
[illegible]200[illegible]300[illegible]20[illegible]5[illegible]6[illegible]20[illegible]
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[illegible]Admiral Lewis Strauss[illegible]20[illegible]50[illegible]70[illegible]
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[illegible]1998[illegible]29[illegible]437[illegible] [24] [illegible]
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[illegible]

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[illegible]

[illegible]31[illegible]80[illegible]13.5[illegible]9000[illegible]curie[illegible]2.4[illegible]20[illegible][26]

[illegible]5%[illegible]

[illegible]——[illegible]1750[illegible]50[illegible]55[illegible]20[illegible]90[illegible]“[illegible]”[illegible]20[illegible]genetic selection[illegible]20[illegible]90[illegible]

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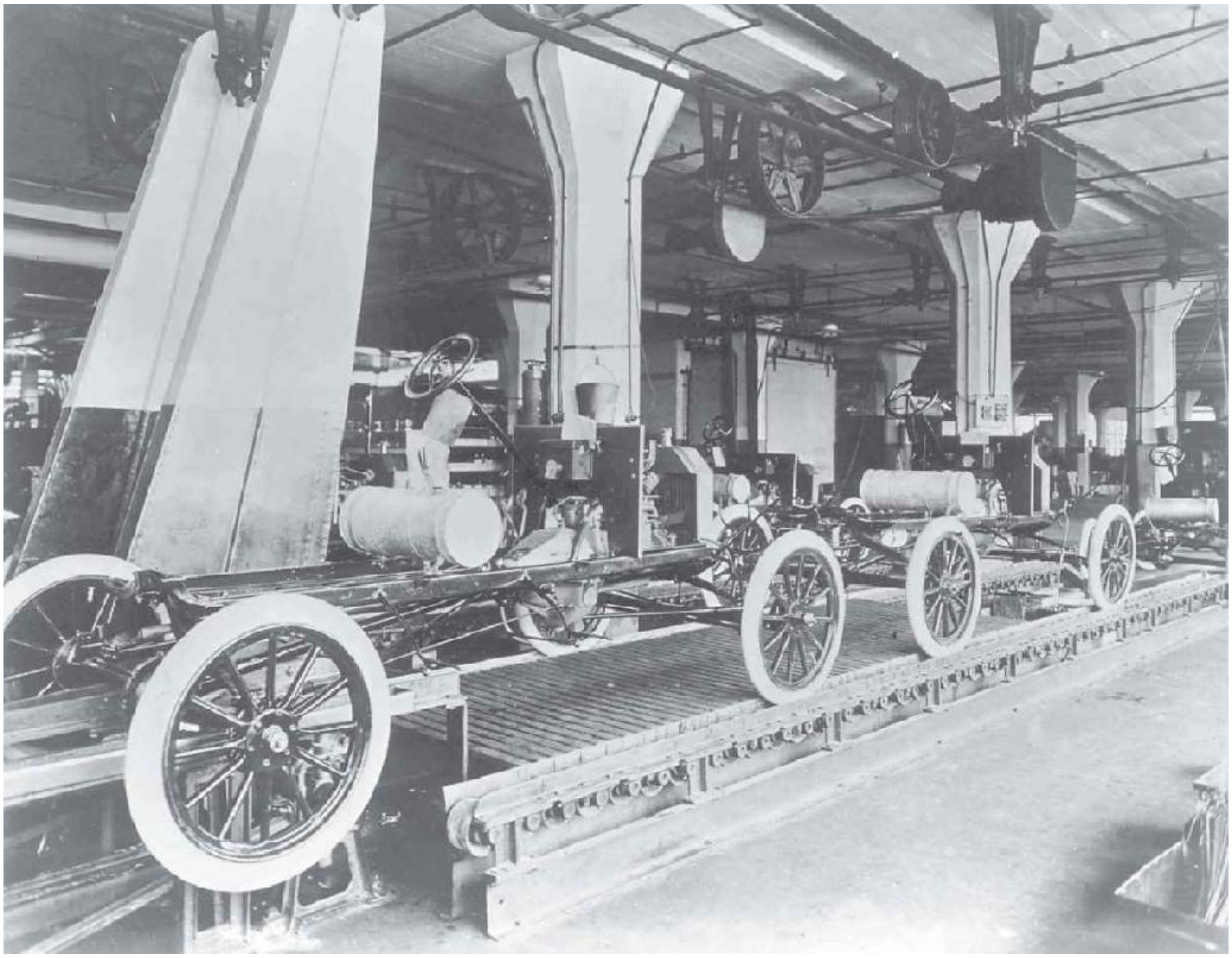
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20[illegible]

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[1] Bourgeois et al.1996[illegible]20[illegible]50[illegible]Ghent[illegible]

[2] [illegible]Hein 1990[illegible]1958[illegible]1948[illegible]1900[illegible]20[illegible]Adams 1995[illegible]181[illegible]

[3] [illegible]Santiago 1997 and 1998[illegible]

[4] Melosi 1985[illegible]151-2.

[5] Santiago 1997[illegible]1924[illegible]

[6] Santiago 1998[illegible]182[illegible]Plutarco Elías Calles[illegible]1921[illegible]

[7] Melosi 1985[illegible]97.

[8] Vitale 1983[illegible]95[illegible]Etemad and Luciani 1991[illegible]

[9] 1948[illegible]Tatarstan[illegible]60[illegible]1961[illegible]Dienes and Shabad 1979[illegible]50–61[illegible]

[10] Salau 1996[illegible]257–8[illegible]“[illegible]”[illegible]1976—1988[illegible]200[illegible]

[11] [illegible]Lowman and Gardner 1996[illegible]Osaghae 1995[illegible]

[12] [illegible]Holdren 1991[illegible]124[illegible]Buxton 1993[illegible]Earle 1995[illegible]261—91[illegible]Gorman 1993[illegible]119[illegible]ReVelle and ReVelle 1992[illegible]408–11[illegible]

[13] Burger 1997[illegible]

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[17] Silversides 1997□1□□□□

[18] Ibid.□□□□□□□□Silversides 1997□107□□□□□□□□□□□□□□□□·□□□□□Armst Kurelek□□

[19] □□Ausubel 1989□□□□□□□□□□□□□□□□□□Grübler and Nakičenovič 1991□□□□□□□□□□□□□

[20] □□□□□□□□Grübler and Nakičenovič 1991□56–7□□□Lay 1992□131–3□1900□□□□10□□□□□□□□□□□4□□□□□□

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[24] Berkhout 1994□324□□94%□□□□□□□□□□□□□□□

[25] The Economist□28 March 1998□63.

[26] Savchenko 1995□2□□□□□□□□□□□□□□□□□□1.4□□45.5□□□□□□□□□□□□□pp.78–84□□□□□1990□□□□□□□□□□□□□pp.128–30□□□□□□□□□□□□□□□□□□□□□□64□□□□□□□□□□□□□□□□□□□□□□□□□2/3□□□□p.142□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Nuclear Energy Agency□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1986□□□□□□□□□□□□□□□□□□□□□□□□□1995□□□□□□□□□□□Shchebrak 1996□□□□□□□□□□□□□□□□10□□□3.2□□□□□Eisler 1995□□□□□□□□□□□□□□□

[27] Grübler 1994□44.

[28] Ayres 1989□□□20□□80□□□□□□□□□□□□□□□□□10□□□□□□□□□□□94%□□□25□□□□

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[31] Adams 1995□187–8□□□□□□□□□1914□□□□□□□□□□□50□□□□□□□□□□□□□□□□□□□□□□□□□□□Pfister 1995□

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[illegible]

——[illegible]·[illegible]*African Queen* ,1951[illegible]·[illegible]

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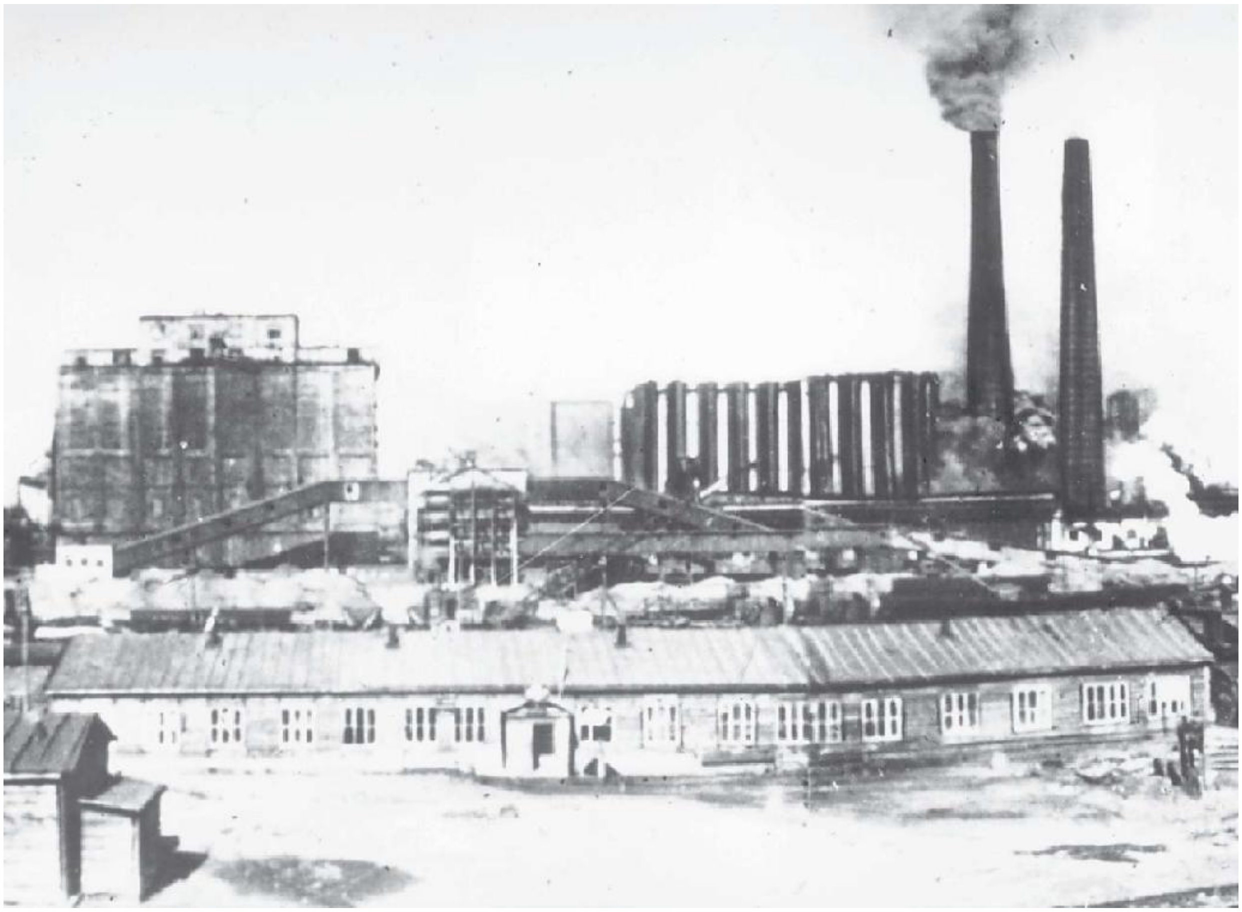
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[illegible]1955[illegible]Krasnodar[illegible]Lenin Collective[illegible]Kuban Cossacks[illegible]20[illegible]20[illegible]30[illegible]

[illegible]1945[illegible]

[illegible]1935—1970[illegible]

[illegible]·[illegible]Reverend Thomas Malthus[illegible]1766—1834[illegible]W.S.Jevons[illegible]1835—1882[illegible]1935—1960[illegible]1984[illegible]70[illegible]“[illegible]”[illegible][20][illegible]1880[illegible]

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[illegible]1880—1970[illegible]energy flow[illegible]

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[illegible]20[illegible]1970[illegible]·[illegible]Aldo Leopold[illegible]1887—1948[illegible]biogeochemical flow[illegible][22][illegible]

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1962[illegible]·[illegible]1962—1963[illegible]1963[illegible]

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[illegible]75[illegible]1000[illegible]10000[illegible][34]

[illegible]command economy[illegible]4.5[illegible]1949—1991[illegible]715[illegible]Semipalatinsk[illegible]Novaya Zemlya[illegible]1972[illegible]1984[illegible]Archangel[illegible]Northern Fleet[illegible]

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[illegible]20[illegible]proxy war[illegible]

20[illegible]·[illegible]·[illegible]William Tecumseh Sherman[illegible]1820—1891[illegible]1921—1926[illegible]the Berbers[illegible]napalm[illegible]1944—1949[illegible]20[illegible]50[illegible]Agent Orange[illegible]1979[illegible][40]

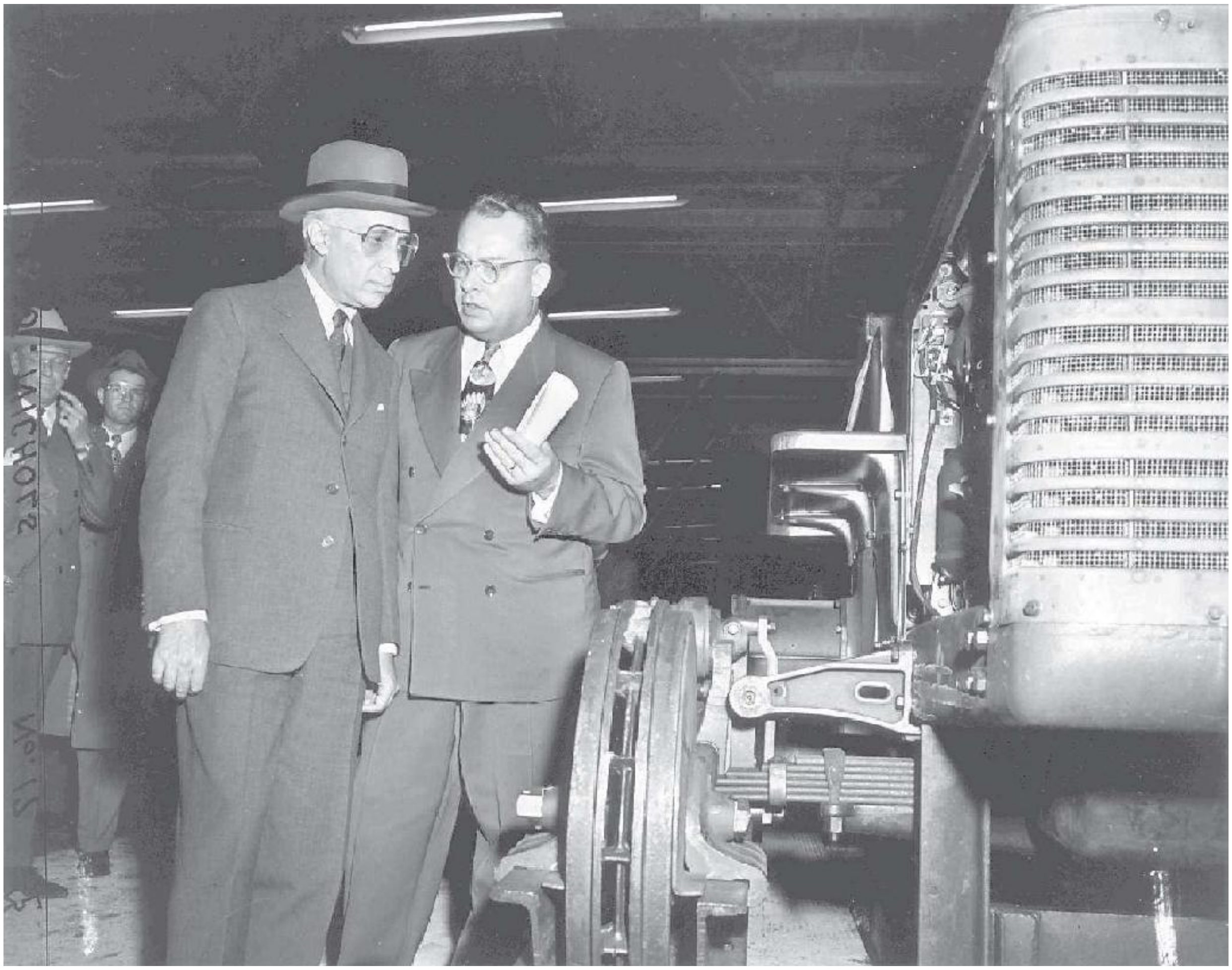
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[illegible]

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[illegible] [3] [illegible]

[illegible] 20 [illegible] 11.1 [illegible] 20 [illegible] 1900 [illegible] 1900 [illegible]

[illegible] 11.1 [illegible] 20 [illegible]

项目	19 世纪 90 年代—20 世纪 90 年代增长率
全球人口	4
城市占全球人口比	3
全球城市人口	13
全球经济	14
工业产出	40
使用能源量	13
煤炭产量	7
空气污染	≈ 5
二氧化碳排放	17
二氧化硫排放	13
排放至大气圈的铅量	≈ 8
使用水量	9
海洋渔获量	35
牛群数量	4
猪群数量	9
马匹数量	1.1
蓝鲸数量（限南冰洋）	0.0025（减少 99.75%）
长须鲸数量	0.03（减少 97%）
鸟类与哺乳类物种	0.99（减少 1%）
灌溉面积	5
森林面积	0.8（减少 20%）
耕地	2

[illegible]

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革命的年代 The Age of Revolution

1848

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[illegible]“[illegible]”[illegible]1719[illegible]66%[illegible]1700[illegible]42%[illegible]1780[illegible]23%[illegible][9][illegible]“[illegible]”[illegible]

[illegible]

[illegible]1760—1830[illegible]

[illegible]——[illegible]18[illegible]90[illegible]14[illegible]

[illegible]——[illegible]——[illegible]1790[illegible]1[illegible]

18[illegible]1755—1784[illegible]Brabant[illegible]44%[illegible][10][illegible]

[illegible][3] [illegible]——[illegible]“[illegible]”[illegible]——[illegible]——[illegible]

[illegible]nabob[illegible]（Bordeaux）[illegible]Bristol[illegible]Liverpool[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]Josiah Wedgwood[illegible]industrialist[illegible]

[illegible]18[illegible]18[illegible]80[illegible]19[illegible]“[illegible]”[illegible]“[illegible]”[illegible]18[illegible]80[illegible]

[illegible]Diderot[illegible]d’Alembert[illegible]18[illegible]“[illegible]”[illegible]Enlightenment[illegible]Benjamin Franklin[illegible]Lunar Society[illegible]James Watt[illegible]Matthew Boulton[illegible]Priestley[illegible]·[illegible]Erasmus Darwin[illegible]Baskerville[illegible]Freemasonry[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[illegible]feudalism[illegible]

[illegible]“[illegible]”[illegible]St. Petersburg[illegible]

[illegible]Stockholm[illegible]25[illegible]1789[illegible]Savoy[illegible]JosephⅡ[illegible]1781[illegible]1848[illegible]

[illegible]“[illegible]”[illegible]

[illegible]Habsburg[illegible]18[illegible]80[illegible]1789[illegible]——[illegible]——[illegible]“[illegible]”[illegible]18[illegible]70[illegible]80[illegible]

[illegible]

[illegible]18[illegible]1689—1713[illegible]1740—1748[illegible]1756—1763[illegible]1776—1783[illegible]1792—1815[illegible]1756—1763[illegible]

[illegible]

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[illegible]18[illegible]“[illegible]”[illegible]19[illegible]

[illegible]16[illegible]17[illegible]Mughal Empire[illegible]“[illegible]·[illegible]”[illegible]Age of Vasco da Gama[illegible]

[1] [illegible]1823—1827[illegible]3[illegible]Louvain[illegible]2[illegible]19[illegible]Quêtelet, qu. by Manouvrier, Sur la taille des Parisiens, Bulletin de la Société Anthropologique de Paris, 1888, p. 171.[illegible]

[2] 1918[illegible]80[illegible]2.5[illegible]1[illegible]Schoenborn[illegible]Schwarzenberg[illegible]50[illegible]Liechtenstein[illegible]Kinsky[illegible]40[illegible]17[illegible]Th. Haebich, Deutsche Latifundien (1947). pp.27 ff.[illegible]

[3] [illegible]

[illegible]

[illegible]

[illegible]……[illegible]Brindley[illegible]Harrison[illegible]Arkwright[illegible]……[illegible]

——[illegible]·[illegible]Arthur Young[illegible]
[illegible]*Tours in England and Wales* [illegible][1]

[illegible]

——1835[illegible]A. de Toqueville[illegible][2]

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[illegible]1830[illegible]1840[illegible]19[illegible]30[illegible]Carlyle[illegible]Balzac[illegible]*Comédie Humaine* [illegible]1840[illegible]Villermé[illegible]*Tableau de l'état Physique et Moral des Ouviers* [illegible]Engels[illegible]*Condition of the Working Class in England* [illegible]Ducpetiaux[illegible]

[illegible]——[illegible]——[illegible]19[illegible]40[illegible]——[illegible]——[illegible]19[illegible]20[illegible][3]

[illegible]“[illegible]”[illegible]broke out[illegible]——[illegible]——[illegible]

“[illegible]”[illegible]18[illegible]80[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1000[illegible]“[illegible]”[illegible]13[illegible]16[illegible]17[illegible]18[illegible]1760[illegible]18[illegible]80[illegible]18[illegible]60[illegible]“[illegible]”[illegible]

[illegible]——[illegible]——[illegible]“[illegible]”[illegible]18[illegible]80[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]18[illegible]80[illegible]19[illegible]40[illegible]“[illegible]”[illegible]1780—1800[illegible]20[illegible]

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[illegible]——[illegible]——[illegible]——[illegible]18[illegible]80[illegible]·[illegible]Adam Smith[illegible]——[illegible]——[illegible]Quesnay[illegible]Turgot[illegible]Dupont de Nemours[illegible]Lavoisier[illegible]1804[illegible]Jacquard[illegible]Bergakademie[illegible]Ecole Polytechnique[illegible]Calvinist[illegible]Thomas Telford[illegible]Loudon McAdam[illegible]James Mill[illegible]19[illegible]Quaker Lancaster[illegible]

[illegible][1][illegible]1784[illegible]——[illegible]19[illegible]20[illegible]Carnot[illegible]——[illegible][4]

[illegible]

[illegible]（Enclosure Acts，1760—1830）[illegible]“[illegible]”[illegible]——[illegible]——[illegible]1795—1846[illegible]

[illegible]18[illegible]Voltaire[illegible]（Dr.Pangloss）[illegible]18[illegible]“[illegible]”[illegible][2][illegible]Yorkshire[illegible]——[illegible]——[illegible]1850[illegible]1750[illegible]

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[illegible]1793—1815[illegible]

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[illegible]“[illegible]”[illegible]“[illegible]”[illegible]East India Company[illegible]

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[illegible]1750[illegible]1769[illegible]10[illegible]“[illegible]”[illegible]

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[illegible]1820[illegible]1840[illegible]1820[illegible]1 100[illegible]1840[illegible]1.45[illegible]1815—1842[illegible]

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[8] 18 1793 1825—1826 1836—1837 1839—1842 1846—1848 19 30 10 [18]

[9] 1833 1.2 11 2 000 131 12 21 12 [19] 1846 410 1.1 [20] 1793 Eli Whitney —— ——

1815 [21] 1815 1784 10 11 2 8 11 1812 2 6 1 6 1 1832 11.25 7.5 4 [22] 1835 “ ” [23] McCulloch 3

[illegible]1795[illegible]33[illegible]1815[illegible]14[illegible]1829—1834[illegible]5[illegible]6[illegible]4[illegible]1.5[illegible][24][illegible]50[illegible]——[illegible]Corn Laws[illegible]——[illegible]1838—1846[illegible]“[illegible]”[illegible]Anti-Corn Law League[illegible]1846[illegible]

[illegible]1815[illegible]1800—1820[illegible]39[illegible]19[illegible]20[illegible]51[illegible]19[illegible]30[illegible]86[illegible]19[illegible]40[illegible]156[illegible][25][illegible]19[illegible]30[illegible]19[illegible]

[illegible]

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[illegible]

[illegible]Saint-Simon[illegible]

[illegible]18[illegible]80[illegible]1756—1815[illegible]Waterloo[illegible]1790[illegible]40%[illegible]1800[illegible]25[illegible]

[illegible]19[illegible]16[illegible]18[illegible]Cornwall[illegible]1800[illegible]1 000[illegible]90%[illegible]100[illegible]

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[illegible]19[illegible]1825—1830[illegible]1827[illegible]1828[illegible]1835[illegible]1835[illegible]1837[illegible]19[illegible]30[illegible]60[illegible]

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[illegible]1848[illegible]
[10] [illegible]20[illegible]1830—1850[illegible]68[illegible]225[illegible]3[illegible]1830—1850[illegible]3[illegible]1 500[illegible]4 900[illegible]300[illegible][26][illegible]

[illegible]1830[illegible]1840[illegible]4 500[illegible]1850[illegible]2.35[illegible]“[illegible]”[illegible]1835—1837[illegible]1844—1847[illegible][11][illegible]1855[illegible]3.7%[illegible]1840[illegible]1850[illegible]2 800[illegible]2.4[illegible][28]

[illegible]19[illegible]40[illegible]6 000[illegible][29][illegible][12][illegible]Devonshire[illegible]19[illegible]100[illegible]150[illegible][30][illegible]1840[illegible]“[illegible]”[illegible]

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[illegible]John Francis[illegible]1851[illegible]“[illegible]……[illegible]” [33]

[illegible]——[illegible]——[illegible]19[illegible]40[illegible]

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[illegible]20[illegible]“[illegible]”[illegible]1834—1847[illegible]1/4[illegible]18[illegible] [37] [illegible]2/3[illegible]1/3[illegible]“[illegible]”[illegible]

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[illegible]1848[illegible][19][illegible]100[illegible]1 700[illegible]200[illegible]5 000[illegible]1.7[illegible]1780[illegible]2[illegible]4[illegible]2[illegible]3[illegible]4[illegible]——[illegible]1/4[illegible]1/5—[illegible]2[illegible]3[illegible][39][illegible]“[illegible]”[illegible]

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[1] “[illegible]”[illegible]W.Wachsmuth[illegible]Europaeische Sittengeschichte 5[illegible]2[illegible]1839[illegible]p.736[illegible]

[2] [illegible]19[illegible]90[illegible]

[3] “[illegible]”（K.Berrill, International Trade and the Rate of Economic Growth, Economic History Review, XII, 1960, p. 358.）

[4] [illegible]19[illegible]50[illegible]

[5] “[illegible]”[illegible]18[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[6] [illegible]1800[illegible]Silesia[illegible]74%[illegible]Hoffmann, op. cit., p. 73.）

[7] [illegible]“[illegible]”[illegible]

[8] 1825[illegible]Simonde de Sismondi[illegible]Malthus[illegible]

[9] 1835[illegible]E. Baines[illegible]10[illegible]7[illegible]

[10] [illegible]70[illegible]19[illegible]

[11] 1848[illegible]1/3[illegible]Rondo E. Cameron, France and the Economic Development of Europe 1800—1914(1961), p. 77.）

[12] [illegible]

[13] [illegible]18[illegible]1847—1848[illegible]J. Clegg, A chronological history of Bolton (1876).）

[14] [illegible]1833[illegible]——[illegible]——[illegible]3 400[illegible]1845[illegible]4 700[illegible]

[15] [illegible]——[illegible]——[illegible]18[illegible]70[illegible]

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[18] [illegible]

[19] [illegible]“[illegible]1830—1848[illegible]”（H. Sée, Histoire Economique de la France, Vol. II, p. 189 n.）

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[illegible]19[illegible]1789—1917[illegible]1789[illegible]1793[illegible] [1]

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[illegible]1808[illegible]Ram Mohan Roy[illegible]1830[illegible]“[illegible]”[illegible] [2] [illegible]19[illegible]“vatan”[illegible]“patrie”[illegible]1800[illegible]“liberty”[illegible]“slavery”[illegible] [2]

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□*Declaration of Rights of Man and Citizens*□□□□□□□□□□□□□
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[illegible]610[illegible]100[illegible]95%[illegible]National Assembly[illegible]Mirabeau[illegible]“[illegible]” [5]

[illegible]18[illegible]80[illegible]1788[illegible]1789[illegible]5[illegible]6[illegible]

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1789—1791[illegible]（Constituent Assembly）[illegible]1790[illegible]

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[illegible]·[illegible]Jane Austen[illegible]Dumouriez[illegible]1792—1794[illegible]19[illegible]1793—1794[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]1793[illegible]3[illegible]“[illegible]”[illegible]

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[illegible]1793[illegible]6[illegible]80[illegible]60[illegible]14[illegible]20[illegible]1794[illegible]3[illegible]3[illegible]1793[illegible]3[illegible]assignat[illegible]Jeanbon St. André[illegible]1812—1813[illegible] [4]

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San Domingo · Toussaint Louverture 1749—1803 [5] ——

Jean-Jacques Rousseau

1936—1939 1794

[illegible] Falstaffian [illegible] —— [illegible] —— [illegible] JeanJacques [illegible]

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[illegible]1769[illegible]

[illegible]1796[illegible]1799[illegible]Civil Cade[illegible]

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[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]18[illegible]19[illegible]

[illegible]——[illegible]“[illegible]”[illegible]25[illegible]1815[illegible]1800[illegible]

[illegible]1851—1870[illegible]

[illegible]19[illegible]

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[3] [illegible]30[illegible]1789—1795[illegible]C. Bloch, L'émigration francaise au XIX siècle, Etudes d'Histoire Moderne & Contemp. I (1947), p. 137; D.Greer, The Incidence of the Emigration during the French Revolution (1951) however, suggests a very much smaller figure.[illegible]

[4] "[illegible]'[illegible]'[illegible]……[illegible]"[illegible]J. Savant[illegible]*Les Prefets de Napoléon* [illegible]1958[illegible]p.111—112.

[5] [illegible]1803[illegible]

[6] [illegible]

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——[illegible]Alfred de Vigny[illegible]
[illegible]*Servitude et Grandeur Militaries*[illegible]

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[illegible]1792[illegible]1815[illegible]18[illegible]19[illegible]1812—1814[illegible]

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[illegible]1812—1814[illegible]——[illegible]

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1789 Camille Desmoulins “

” Les Révolutions de France et de Brabant

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[illegible] Saliceti group [illegible] “[illegible]·[illegible]” [illegible] “[illegible]” [illegible] pro-French [illegible] 1797 [illegible] 1798 [illegible] 1798 [illegible] —— [illegible]

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[illegible]1813—1814[illegible]“[illegible]”[illegible][1][illegible]

[illegible]“[illegible]”[illegible]

[illegible]1806[illegible]1812—1814[illegible]

[illegible]——[illegible]——[illegible]1802—1803[illegible]18[illegible]90[illegible]

[illegible]1792—1795[illegible]1795—1800[illegible]1805—1807[illegible]1812[illegible]1792—1795[illegible]1806—1807[illegible]1813[illegible]

[illegible]Confederation of the Rhine[illegible]1860[illegible]Baden[illegible]Wurtemberg[illegible]“[illegible]”[illegible]Continental System[illegible]

[illegible]1793—1794[illegible]1799[illegible]Suvorov[illegible]1794—1812[illegible]18[illegible]Frederick the Great[illegible]10[illegible][2][illegible][3] 1806[illegible]142[illegible]79[illegible]60[illegible]

[illegible]1/4[illegible]24[illegible]Murat[illegible]26[illegible]27[illegible]Davout[illegible]26—37[illegible]

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[illegible]Trafalgar[illegible]1805[illegible]“[illegible]”[illegible]61[illegible]

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[illegible]Leipzig[illegible]1813[illegible]
[illegible]1814[illegible]4[illegible]6[illegible]
1815[illegible]Waterloo[illegible]1815[illegible]

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[illegible]1806[illegible]Genoa[illegible]1797[illegible]——[illegible]——[illegible]Treves[illegible]Salzburg[illegible]1870[illegible]1797—1798[illegible]1803[illegible]

234[illegible]40[illegible]1803[illegible]

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[illegible]1810[illegible]Luebeck[illegible]Piedmont[illegible]Carinthia[illegible]Dalmatia[illegible]——[illegible]

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[illegible]17[illegible]20[illegible]1792—1815[illegible]17[illegible]“30[illegible]”[illegible]“[illegible]”[illegible]18[illegible]20[illegible]1789[illegible]1811[illegible]1816—1817[illegible]——[illegible]——[illegible]

[illegible]20[illegible]1861—1865[illegible]60[illegible]20[illegible]100[illegible][7][illegible]20[illegible]200[illegible]1865[illegible]236 744[illegible][8][illegible]

[illegible]·[illegible]Fritz Reuter[illegible]Mecklenburg[illegible]Herr Kugelgen[illegible]“[illegible]”[illegible]Dresden[illegible]Côte d’Or[illegible]35[illegible]1.1[illegible]3.15%[illegible]1800—1815[illegible]7%[illegible]21%[illegible][9][illegible]1793—1794[illegible]63[illegible]77[illegible]1805[illegible]40[illegible]1812[illegible]70[illegible]30[illegible]1809[illegible]1813[illegible]15[illegible]6[illegible]30[illegible]14[illegible][8][10]

[illegible]20[illegible]1793—1815[illegible]6%[illegible]7%[illegible]80%[illegible]2%[illegible]8%[illegible]9%[illegible]

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[illegible]1821—1850[illegible]1790—1820[illegible]10%[illegible]

[illegible]25%[illegible] [11] [illegible]

[illegible] [9] [illegible]1798[illegible]5%[illegible]bons de trésor[illegible]40%[illegible]1793[illegible]6[illegible]2/3[illegible]1/300[illegible]1797[illegible]1810[illegible]20%[illegible]1810[illegible]1815[illegible]10%[illegible]——[illegible]1797[illegible]“[illegible]”[illegible]71%[illegible]1817[illegible]98%[illegible]1821[illegible]

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[illegible]——[illegible]——[illegible][10][illegible]Dionysius Lardner[illegible]1831[illegible]“[illegible]18[illegible]”[12][illegible]

[illegible]18[illegible]1814—1818[illegible]15[illegible]1813[illegible]108.5[illegible]1815[illegible]64.2[illegible]1816—1817[illegible]

[illegible]1805—1812[illegible][13][illegible]1790—1795[illegible]4 100[illegible]1 500[illegible]24.6[illegible]8.6[illegible]

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[1] [illegible]

[2] [illegible]Wilberforce[illegible]Clarkson[illegible]James Mackintosh[illegible]David Williams[illegible]Campe[illegible]Cloots[illegible]Kosziusko[illegible]Gorani[illegible]Cornelius de Pauw[illegible]Washington[illegible]Hamilton[illegible]Madison[illegible]Joel Barlow[illegible]

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[4] [illegible]“[illegible]”[illegible]

[5] [illegible]

[6] [illegible]Andorra[illegible]Urgel[illegible]

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[illegible]20[illegible]20[illegible]（King Leopold）[illegible]“[illegible]……[illegible]……[illegible]”[3][illegible]

[illegible]（Crimean War，1854—1856）[illegible]（1815—1914）[illegible]20[illegible]19[illegible]20[illegible]1830[illegible]1848[illegible]——[illegible]——[illegible]“[illegible]”（Eastern Question）[illegible]19[illegible]20[illegible]19[illegible]30[illegible]1839—1841[illegible]1815[illegible]

[illegible]1815—1848[illegible]1814—1835[illegible]Talleyrand[illegible]George Canning[illegible]Viscount Palmerston[illegible]——[illegible]1812—1822[illegible]1822—1827[illegible]1830—1852[illegible]Tory[illegible] [1] [illegible]——[illegible]1848[illegible]Metternich[illegible]1801—1825[illegible]1825—1855[illegible]

[illegible]1789[illegible]1818[illegible]“[illegible]”[illegible]Concert of Europe[illegible]1815[illegible]“[illegible]”[illegible]——[illegible]——[illegible]

[illegible]Ionian Islands[illegible]Heligoland[illegible]Scheldt[illegible]1830[illegible]1814—1815[illegible]

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[illegible]1806[illegible]——[illegible]Piedmont-Sardinia[illegible]“[illegible]”[illegible]1815[illegible]19[illegible]60[illegible]German Confederation[illegible]

1815[illegible]“[illegible]”[illegible]great power[illegible]“[illegible]”[illegible]1818—1822[illegible]

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1823 *Monroe Declaration*

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[illegible]1815[illegible]20[illegible]1840[illegible]“[illegible]”[illegible]1780[illegible]2.5[illegible]1830[illegible]2:3[illegible]1780[illegible]1830[illegible]

[illegible]1830[illegible]1848[illegible]1830—1831[illegible]Lafayette[illegible]1831[illegible]“[illegible]”[5][illegible]1815—1848[illegible]

[illegible]——[illegible]——[illegible]1839—1842[illegible]1814[illegible]1849[illegible]Mahratta[illegible]Rajput[illegible]Sindhis[illegible]Sikh[illegible]2/3[illegible]1840[illegible]P[illegible]O[illegible]

[illegible]Ural[illegible]Kirghiz[illegible]1830[illegible]17[illegible]1847[illegible]

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1815—1848 “ ” Indian Mutiny “ ” 19 50 1820—1824 1820 1820 1821 1808 Simon Bolivar San Martin Bernardo O’Higgins “ ” River La Plate Cochrane *C. S. Forester’s Captain Hornblower*

[illegible]——[illegible]1822[illegible]Boulogne-sur-Mer[illegible]Iturbide[illegible]1821[illegible]1822[illegible]19[illegible]20[illegible]

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[illegible]1830[illegible]1820[illegible]50[illegible]“[illegible]”[illegible]16.8[illegible]1791[illegible] [1] [illegible]Alexis de Toqueville[illegible]*Democracy in America*[illegible]1835[illegible]1830[illegible]

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[1] [illegible]19[illegible]30[illegible]1/6[illegible]1/20[illegible]1/25[illegible]1/30[illegible]1%[illegible]L. V. A. de Villeneuve Bargemont, Economie Politique Chrétienne (1834),Vol. II, p. 3 ff.[illegible]

[2] [illegible]90%[illegible]10%[illegible]1848[illegible]For Russia, Lyashchenko, op. cit., p. 360; for comparison between Prussia and Bohemia, W. Stark, Niedergang und Ende d. Landwirtsch. Grossbetriebs in d. Boehm. Laendern (Jb.f. Nat. Oek. 146, 1937, p. 434 ff).[illegible]

[3] [illegible]“[illegible]”[illegible]cf.G.Mori, La storia dell’industria italiana contemporanea (Annali dell’-Instituto Giangiacomo Feltrinelli, II,1959,p.278—9); and the same author’s ‘Osservazioni sul libero-scambismo dei moderati nel Risorgimento’ (Rivista Storica del Socialismo, Ⅲ ,9, 1960).[illegible]

[4] [illegible]

[5] “[illegible]……[illegible]……”H. *Colman*[illegible]*The Agricultural and Real Economy of France*[illegible]*Belgium*[illegible]*Holland and Switzerland*[illegible]1848[illegible]pp.25—26.

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——[illegible]James Nasmyth[illegible] [1]

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[illegible]1846—1848[illegible]1839—1842[illegible]“[illegible]”[illegible]1842[illegible]“[illegible]”[illegible]1848[illegible]

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[illegible]1816—1817[illegible]1846—1848[illegible]

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[6] [illegible]“[illegible]……[illegible]”Morley，Life of Cobden，Chapter 3.

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[illegible]

[illegible]“[illegible]” [16] [illegible]1851[illegible]1.6[illegible]1 700[illegible] [7] [illegible]1.7[illegible]3 500[illegible]3 000[illegible]1 300[illegible]“[illegible]”[illegible]Journalist[illegible]359[illegible]

[illegible]1851[illegible]7.6[illegible]2[illegible]

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[illegible]——[illegible]——[illegible]“[illegible]”[illegible]Ivanovo[illegible]“[illegible]”[illegible]Old Believers[illegible][17][illegible]

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[illegible]18[illegible]“[illegible]”[illegible]18[illegible]Moses Mendelssohn[illegible]1729—1786[illegible]

[illegible]1834[illegible]46[illegible]1[illegible][18][illegible]Rothschilds[illegible]

[illegible]1816[illegible]1823[illegible]

[illegible]20[illegible]1848[illegible]19[illegible]1818—1883[illegible]Benjamin Disraeli[illegible]1804—1881[illegible]Meyerbeer[illegible]1791—1864[illegible]Mendelssohn-Bartholdy[illegible]1809—1847[illegible]Heinrich Heine[illegible]1797—1856[illegible]Rachel[illegible]1821—1858[illegible]——[illegible]——[illegible]19[illegible]

[illegible]“[illegible]”[illegible][8][illegible]Olinde Rodrigues[illegible]Léon Halévy[illegible]d'Eichthal[illegible]Moses Hess[illegible]

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[illegible]19[illegible]40[illegible]1830[illegible]

[illegible]“[illegible]”[19][illegible]——[illegible]——[illegible]

“[illegible]”[illegible]“[illegible]”[illegible][20][illegible]1823[illegible][21][illegible]“[illegible]”[illegible]19[illegible]30[illegible]“[illegible]”[22][illegible]

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[1] 1835[illegible]Journal des Débats[illegible]1[illegible]2[illegible]1838[illegible]15[illegible]1845[illegible]30[illegible](H. Sée, Histoire Economique de la France, II, p. 216.[illegible]

[2] “[illegible]Madeleine[illegible]Porte Saint-Denis[illegible]”

[3] “[illegible]”James Mill[illegible]An Essay on Government[illegible]1823.

[4] [illegible]Léon Faucher[illegible]Manchester in 1844[illegible]1844[illegible]pp.24—25[illegible]“[illegible]”

[5] [illegible]

[6] [illegible]1842[illegible]1848[illegible]

[7] [illegible]

[8] [illegible]“[illegible]”[illegible]Johannes Bueckler[illegible]1777—1803[illegible]19[illegible]40[illegible]

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——[illegible]Saint-Marc Girardin[illegible]

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[illegible]1789[illegible]1795[illegible]1817[illegible]1832[illegible]1847[illegible]1813[illegible][11][illegible]1817[illegible][12][illegible]1846—1848[illegible]1847[illegible]1/3[illegible][13][illegible][14][illegible]

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[illegible]1815[illegible][16][illegible]19[illegible]40[illegible]Wiltshire[illegible]Rutland[illegible]1[illegible]“[illegible]18[illegible]Sheffield[illegible]”[illegible]1842[illegible]30[illegible]50%[illegible]40[illegible]79%[illegible]50[illegible]100%[illegible][17][illegible]1842[illegible]Roubaix[illegible]1847[illegible]2/3[illegible][18] 20%[illegible]Norttingham[illegible]1/3[illegible]Paisley[illegible][19][illegible]——[illegible]——[illegible]

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[illegible]——[illegible]——[illegible]Lancashire Cooperator[illegible]“[illegible]”[illegible]“[illegible]”[illegible][20][illegible]

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[illegible]19[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”——[illegible]

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[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[23][illegible]1793—1794[illegible]

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[illegible]1810—1811[illegible]1826[illegible]19[illegible]30[illegible]40[illegible]

[illegible]
1830[illegible]1848[illegible]

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[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1815[illegible]“[illegible]”[25][illegible]“[illegible]”[illegible]“[illegible]”[illegible][26][illegible]

[illegible]——[illegible]——[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]

1848[illegible]Faubourg Saint-Antoine[illegible]1871[illegible]Belleville[illegible]“[illegible]”[illegible]1820—1850[illegible]——“[illegible]”[illegible]“[illegible]”[illegible]1850[illegible]700[illegible]151[illegible]400[illegible][27][illegible]

[illegible]——[illegible]John Doherty[illegible]Tommy Hepburn[illegible]Martin

Jude[illegible]

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[illegible]“[illegible]”[illegible]—1831[illegible]1834[illegible]（Michelet[illegible]“[illegible]”[28][illegible]（Swedenborg[illegible]（Gasometer）[8][illegible]

[illegible]“[illegible]”[illegible]（Northumberland[illegible][9][illegible]19[illegible]40[illegible]

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[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1838—1848[illegible]

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[illegible]Rodney[illegible]——[illegible]——[illegible]——[illegible]John Frost[illegible]1839[illegible]“[illegible]”[illegible]……[illegible]……[illegible]“[illegible]”[illegible] [30]

[illegible]1834—1835[illegible]“[illegible]”[illegible]——[illegible]——[illegible]1848[illegible]1848[illegible]1789—1794[illegible]

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[1] 1855[illegible]60%[illegible]5[illegible]27%[illegible]2[illegible]6[illegible]

[2] [illegible]——[illegible]

[3] “[illegible]”[illegible]Chevalier op. cit. pp. 233—4.[illegible]

[4] [illegible]Annales d'Hygiène Publique[illegible]1829[illegible]——[illegible]Kay[illegible]Thackrah[illegible]Simon[illegible]Gaskell[illegible]Farr[illegible]

[5] 1840[illegible]195[illegible]15[illegible]1842[illegible]13%[illegible]32%[illegible]R. K. Webb in English Historical Review, LXV (1950), p. 333 ff.[illegible]

[6] “[illegible]1/3……[illegible]”F. Baker[illegible]First Lecture on Co-operation, Bolton[illegible]1830.

[7] [illegible]grève[illegible]huelga[illegible]sciopero[illegible]zabastovka[illegible]

[8] [illegible]·[illegible]Peacock Thomas[illegible]Nightmare Abbey[illegible]1818[illegible]“[illegible]”[illegible]“[illegible]——‘[illegible]’[illegible]”

[9] 1821[illegible]17%[illegible]1845[illegible]P. Gosden, The Friendly Societies in England 1815—75 (1961), pp. 23, 31.[illegible]

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[illegible]Molokan[illegible]Jehoshaphat[illegible]White Tsar[illegible]Tambov[illegible]

——[illegible]Haxthausen[illegible]
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[illegible]17[illegible]18[illegible]18[illegible]Jacob Boehme[illegible]

[illegible]17[illegible]libertin[illegible]“[illegible]”[illegible]*Don Juan*[illegible]Bacon[illegible]Hobbes[illegible]17[illegible]18[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]1794[illegible]Comte[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]70[illegible]1792[illegible]Condorcet[illegible]“[illegible]”[illegible]“[illegible]instituteur[illegible]”[illegible]instituteur[illegible]

[illegible]Cicero[illegible]Sallust[illegible]“[illegible]”[illegible]instituere civitatem[illegible]“[illegible]”[illegible]instituere civitatem mores[illegible] [4]

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[illegible]16[illegible]17[illegible]1789[illegible] [1]

[illegible]18[illegible]Weitling[illegible]1808—1871[illegible]19[illegible]*Rights of Man*[illegible]1791[illegible]*The Age of Reason*[illegible]1794[illegible]19[illegible]20[illegible]“[illegible]”[illegible]18[illegible]

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[illegible]1851[illegible]1851[illegible]34%[illegible]31.2%[illegible]29%[illegible]

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[illegible]1789[illegible]1848[illegible]19[illegible]30[illegible]Tuebingen[illegible]Lachmann[illegible]*Novum Testamentum*[illegible]1842—1852[illegible]David Strauss[illegible]*Life of Jesus*[illegible]1835[illegible]1848[illegible]1789—1848[illegible]19[illegible]30[illegible]suttee[illegible]

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[illegible]Sectarian Protestantism[illegible]——[illegible]Baptist Missionary Society[illegible]1792[illegible]London Missionary Society[illegible]1795[illegible]

[illegible]Church Missionary Society[illegible]1799[illegible]British and Foreign Bible Society[illegible]1804[illegible]American Board of Commissioners for Foreign Missions[illegible]1810[illegible]American Baptists[illegible]1814[illegible]Wesleyans[illegible]1813—1818[illegible]1816[illegible]1824[illegible]1835[illegible]1819[illegible]1797[illegible]1815[illegible]19[illegible]20[illegible]19[illegible]30[illegible]1842[illegible]1848[illegible]Sierra Leone[illegible]18[illegible]90[illegible]Liberia[illegible]19[illegible]20[illegible]David Livingstone[illegible]1840[illegible]

[illegible]Senegal[illegible][4a][illegible]Haussa[illegible]1807—1835[illegible][5]

[illegible][6][illegible]Prince of Djogjakarta[illegible]1825—1830[illegible]

[illegible]18[illegible]1814[illegible]Ali el Senussi[illegible]19[illegible]40[illegible]Tripoli[illegible]19[illegible]40[illegible]·[illegible]bab[illegible]

[illegible]1789—1848[illegible]Ram Mohan Roy[illegible]1772—1833[illegible]Brahmo Samaj[illegible]19[illegible]10[illegible]Tecumseh[illegible]Handsome Lake[illegible]1799[illegible]Iroquois[illegible]20[illegible]

[illegible]1851[illegible]1790[illegible]1790[illegible]5.9[illegible]1850[illegible]10[illegible][7][illegible]1850[illegible]3/4[illegible][8][illegible]1843[illegible]“[illegible]”[illegible]

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[illegible]Curé d’Ars[illegible]1789—1859[illegible]17[illegible]18[illegible]Skoptsi[illegible]Doukhobors[illegible]17[illegible]“[illegible]”[illegible]

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“[illegible]”[illegible]John Wesley[illegible]1703—1791[illegible]“[illegible]”[illegible]17[illegible]18[illegible]——[illegible]——[illegible]

[illegible]“[illegible]”[illegible]Nonconformism[illegible]1848[illegible]

[illegible]“[illegible]”[illegible]Irvingites[illegible]1835—1838[illegible]

[illegible]William Miller[illegible]“[illegible]”[illegible]Seventh Day Adventists[illegible]1843—1844[illegible]5[illegible]3 000[illegible]Latter-Day Saints[illegible]Joseph Smith[illegible]19[illegible]20[illegible]Palmyra[illegible]

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[illegible]Feuerbach[illegible]1804—1872[illegible]19[illegible]30[illegible]“[illegible]”[illegible]

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[illegible]（Dane Søren Kierkegaard，1813—1885）[illegible]（Friedrich Gentze）[illegible]（Adam Mueller）[illegible]1815[illegible]1819[illegible]

[illegible]“[illegible]……[illegible]”[illegible][12]

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J. H. Newman 1801—1890 ""

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Felicité Lamennais 1782—1854 *Paroles d'un Croyant* 1834

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Rosmini Gioberti 1801—1852

Huguenot ·

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[2] [illegible]

——W. Hazlitt*The Spirit of the Age*（1825）

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[illegible]17[illegible]——[illegible]“[illegible]”[illegible]——[illegible][2][illegible]“[illegible]”——[illegible]——[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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1776 *Principles of Political Economy* 1817 1830

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[illegible]·[illegible]·[illegible]18[illegible]1808[illegible]·[illegible]J. B. Say[illegible]William Godwin[illegible]1823[illegible]1818[illegible]

[illegible] [4] [illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]” [4] [illegible]

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[illegible] 1793—1794 [illegible]

[illegible] 1830 [illegible] Alexis de Tocqueville [illegible] 1805—1859 [illegible] 1835 [illegible] 1945 [illegible] “[illegible] 18 [illegible]” [6] [illegible]·[illegible]·[illegible] John Stuart Mill [illegible] 1806—1873 [illegible] On Liberty [illegible] 1859 [illegible]

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[illegible]“[illegible]” [7] [illegible] Thomas Hodgskin [illegible]“[illegible]”[illegible]“[illegible]”[illegible] [8]

[illegible]1830[illegible]Carey[illegible]1793—1879[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]*New View of Society*[illegible]1813—1814[illegible][9][illegible][5][illegible]“[illegible]”[illegible]“[illegible]”[illegible]Wade[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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“”De Bonald（1753—1840）Joseph de Maistre（1753—1821）——

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[illegible]“[illegible]”[illegible]

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[illegible]1789[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]18[illegible]

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[illegible]·[illegible]Wilhelm von Humboldt（1767—1835）[illegible][13][illegible]——[illegible]——[illegible]

[illegible]18[illegible]18[illegible]16[illegible]18[illegible][7][illegible]18[illegible]19[illegible]

[illegible]1760—1830[illegible]“[illegible]”[illegible][8][illegible]1830[illegible]18[illegible]“[illegible]”[illegible]

[illegible]1806[illegible]“[illegible]”[illegible]·[illegible][14]

[illegible]——[illegible]1795[illegible]——[illegible]“[illegible]”[illegible] [9] [illegible]——[illegible]——[illegible]1805—1806[illegible]“[illegible]” [15] [illegible]

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[illegible]“[illegible]”[illegible]19[illegible]30[illegible]“[illegible]”[illegible]1830[illegible]1830—1848[illegible]

[illegible]1830[illegible]·[illegible]19[illegible]40[illegible]

[illegible]1830[illegible]1848[illegible]1789—1794[illegible]19[illegible]18[illegible]

[1] [illegible]——[illegible]——[illegible]“[illegible]”[illegible]

[2] [illegible]“[illegible]”[illegible]“[illegible]”[illegible]268[illegible]“[illegible]”

[3] “[illegible]——[illegible]——[illegible]”Principles[illegible]p 383.

[4] [illegible]1743—1794[illegible]

[5] “[illegible]”[illegible]19[illegible]20[illegible]

[6] [illegible]40[illegible]

[7] [illegible]

[8] [illegible]——[illegible]——[illegible]

[9] [illegible]Lukacs[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[illegible]——[illegible]——[illegible]——[illegible]——[illegible]——[illegible]——[illegible]——[illegible]——[illegible]——[illegible]——[illegible]——[illegible]——[illegible]——[illegible]11[illegible]——[illegible]——[illegible]——[illegible]……

——[illegible]T. L. Peacock[illegible]*Melincourt*[illegible]1816[illegible]

[illegible]……[illegible]

——[illegible]S. Laing[illegible]1842[illegible][1]

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[illegible]Schubert[illegible]Dostoievski[illegible]Verdi[illegible]Wagner[illegible]Mozart[illegible]Goya[illegible]Pushkin[illegible]1799—1837[illegible][1]

[illegible]1789—1801[illegible]*Lyrical Ballads*[illegible]·[illegible]Jean Paul[illegible]Novalis[illegible]Haydn[illegible]J-L David[illegible]

[illegible]1824—1826[illegible]Walter Scott[illegible]Leopardi[illegible]Manzoni[illegible]*Promessi Sposi* [illegible]Victor Hugo[illegible]Alfired de Vigny[illegible]·[illegible]Eugene Onegin[illegible]Weber[illegible]Delacroix[illegible]Constable[illegible]10[illegible]1834—1836[illegible]*Inspector-General* [illegible]Oueen of Spades[illegible]Musset[illegible]Theophile Gautier[illegible]Lamartine[illegible]Alexander Dumas the Elder[illegible]Buechner[illegible]Grabbe[illegible]Grillprazer[illegible]Hans Anderson[illegible]Mickiewicz[illegible]Pan Tadeusz[illegible]Kalevala[illegible]Browning[illegible]Bellini[illegible]Donizetti[illegible]Glinka[illegible]Caspar David Friedrich[illegible]1834—1836[illegible]Pickwick Papers[illegible]Platen[illegible]Eichendorff[illegible]Morike[illegible]Flemish[illegible]Schumann[illegible]Berlioz[illegible]

[illegible]19[illegible]Fenimore Cooper[illegible]1787—1851[illegible]·[illegible]Edgar Allan Poe[illegible]1809—1849[illegible]Herman Melville[illegible]1819—1891[illegible]Petofi[illegible]1823—1849[illegible]

[illegible]·[illegible]Thackeray[illegible]the Brontes[illegible]Turgenev[illegible]19[illegible]50[illegible]——[illegible]

[illegible]“[illegible]”[illegible]Rossini[illegible]J. M. W. Turner[illegible]1775—1851[illegible]18[illegible]J-L Gericault[illegible]1791—1824[illegible]J-D Ingres[illegible]1780—1867[illegible]Honore Daumier[illegible]1808—1879[illegible]Gustave Courbet[illegible]1819—1877[illegible]16[illegible]18[illegible]

[illegible]1789—1848[illegible]

[illegible]1790[illegible]1849[illegible]“[illegible]”[illegible]Fragonard[illegible]17[illegible][2]

[illegible]——[illegible]——[illegible]——[illegible]——[illegible]——[illegible][3][illegible]

[illegible]Byron[illegible]*Childe Harold*[illegible]3[illegible]2 600[illegible]1826[illegible]

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[illegible]the Sorbonne[illegible]——[illegible]——[illegible]E. T. A. Hoffmann[illegible]*Goldener Topf* [illegible]“[illegible]”[illegible]“[illegible]”[illegible]A. W. Schlegel[illegible]

[illegible]“[illegible]”[illegible]Michelangelo[illegible]Caravaggio[illegible]Salvator Rosa[illegible]19[illegible]Bach[illegible]Handel[illegible]Gainsborough[illegible]1790—1848[illegible]Nash[illegible]Schinkel[illegible]

[illegible]“[illegible]”[illegible]

[illegible]de

Nerval[illegible]1811—1886[illegible]1789—1848[illegible][5][illegible]

[illegible]“[illegible]”[illegible]demi-monde[illegible]bohème[illegible]Mario Praz[illegible]“[illegible]”[7][illegible]

[illegible]——[illegible][6]

[illegible]18[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]17[illegible]18[illegible]“[illegible]”[illegible]

3

[illegible]18[illegible]90[illegible]

[illegible][8][illegible]1840[illegible]

[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]——[illegible]——[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Eichendorff[illegible]Novalis[illegible][9]

[illegible]primitive man[illegible]“[illegible]”[illegible]

[illegible]*Reflections on the French Revolution*[illegible]1790[illegible][7][illegible]Grimn[illegible]*Genie du Christianisme*[illegible]1802[illegible]

[illegible]Pugin[illegible]19[illegible]30[illegible]“[illegible]”[illegible]——[illegible]Ossian[illegible]——[illegible]

1815[illegible]Jules Michelet[illegible]

[illegible]——[illegible]——[illegible]Sir William Jones[illegible]——[illegible]——[illegible]18[illegible]

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[illegible]“[illegible]”[illegible]——[illegible]19[illegible]30[illegible]Mérimée[illegible]“[illegible]”[illegible]the folk[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Folklore[illegible]1846[illegible]*Minstrelsy of the Scottish Border*[illegible]1803[illegible]Arnim and Brentano[illegible]*Des Knaben Wunderhorn*[illegible]1806[illegible]*Fairy Tales*[illegible]1812[illegible]Moore[illegible]*Irish Melodies*[illegible]1807—1834[illegible]Dobrovsky[illegible]*History of the Bohemian Language*

[illegible]1818[illegible]Vuk Karajic[illegible]1818[illegible]1823—1833[illegible]Tegnér[illegible]*Frithjofssaga* [illegible]1825[illegible]Lönnrot[illegible]*Kaleuala* [illegible]1835[illegible]*German Mythology* [illegible]1835[illegible]Asbjörnson[illegible]Moe[illegible]*Norwegian Folk Tales* [illegible]1842—1871[illegible]

“[illegible]”[illegible][8] “[illegible]”[illegible]

[illegible]——[illegible]——[illegible]18[illegible]Fromentin[illegible]Lermontov[illegible]——[illegible]——[illegible]Tahiti[illegible]Lenau[illegible]Mohican[illegible]——[illegible]*Moby Dick* [illegible]1851[illegible]——[illegible]*Leatherstocking* [illegible]Natchez[illegible]

[illegible]“[illegible]”[illegible]1789[illegible]Southey[illegible]Campbell[illegible]Hazlitt[illegible]1805[illegible]“[illegible]”[illegible]18[illegible]90[illegible]

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[illegible]——[illegible]——[illegible]19[illegible]20[illegible]1830[illegible]*Liberty on the Barricades*[illegible]1831[illegible]1793[illegible]——[illegible]1789[illegible]——[illegible]

[illegible]——[illegible]18[illegible]1830—1848[illegible]*Massacre in the Rue Transnonain*[illegible]1834[illegible]

[illegible]1830—1848[illegible]“[illegible]”[illegible]*Hernani*[illegible]1830[illegible]“[illegible]”[11][illegible]1810—1857[illegible]——[illegible]——[illegible]“[illegible]”[12][illegible][9][illegible]Ruskin[illegible]

[illegible]Tennyson[illegible]

[illegible]19[illegible]40[illegible]“[illegible]”[13][illegible]“[illegible]”[illegible]“[illegible]”[illegible]1848[illegible]Baudelaire[illegible]Flaubert[illegible]19[illegible]40[illegible]*Sentimental Education*[illegible]1848[illegible]1848[illegible]

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[illegible]——[illegible]——[illegible]——[illegible]

[illegible]18[illegible]18[illegible]“[illegible]”[illegible]

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[illegible]19[illegible]“[illegible]”[illegible][15][illegible]18[illegible]“[illegible]”[illegible]18[illegible]

[illegible]18[illegible]19[illegible]40[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Biedermayer[illegible]18[illegible]·[illegible]Clapham Sect[illegible]

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1867[illegible]19[illegible]40[illegible]Lady Lieven[illegible]·[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]The Castle of Udolpho[illegible]John Cragg[illegible]“[illegible]”[illegible]“[illegible]”[illegible][16][illegible]1808—1890[illegible]“[illegible]”[illegible]18[illegible]“[illegible]St. Ouen[illegible]”[illegible]“[illegible]……[illegible]”[illegible]“[illegible]”[17][illegible]Henry Maudslay[illegible]

[illegible]——[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Society for the Diffusion of Useful Knowledge[illegible]18[illegible]“[illegible]”[illegible]*Meyer’s Conversations Lexicon*[illegible]19[illegible]30[illegible]A. Constable[illegible]1812[illegible]Dugald Stewart[illegible]1 000[illegible]“[illegible]”[illegible][18][illegible]

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[illegible]Euston[illegible]——[illegible]

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[illegible]19[illegible]40[illegible]1789[illegible]

[illegible]19[illegible]40[illegible]19[illegible]“[illegible]”[illegible][20][illegible]Bunyan[illegible]“[illegible]”[illegible][10][illegible]1840[illegible]

[illegible]19[illegible]70—80[illegible]

[illegible]“[illegible]”[illegible]——[illegible]——[illegible]18[illegible]

[illegible][11] [illegible]18[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1848[illegible]19[illegible]30[illegible][22] [illegible]19[illegible]40[illegible]

[illegible]Wear[illegible]——[illegible]——[illegible]19[illegible]

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[1] [illegible]

[2] [illegible]Auber[illegible]La Muette de Portici[illegible]1830[illegible]A Life for the Tsar[illegible]Hunyady Laszlo[illegible]“[illegible]”[illegible]

[3] [illegible]——[illegible]——[illegible]

[4] [illegible]“[illegible]”[illegible]

[5] [illegible]

[6] [illegible]Mme de Staël[illegible]·[illegible]George Sand[illegible]Mme Vigée Lebrun[illegible]Angelica Kauffman[illegible]Bettina von Arnim[illegible]——[illegible]Annette von Droste-Huelshoff[illegible]“[illegible]”[illegible]Fanny Burney[illegible]Mrs Radcliffe[illegible]·[illegible]Mrs. Gaskell[illegible]

[7] “[illegible]”[illegible]“[illegible]”[illegible]P. Jourda, L’exotisme dans la littérature fiançaise depuis Chateaubriand (1939),p.79.[illegible]

[8] [illegible]mazurka[illegible]schottische[illegible]

[9] [illegible]19[illegible]40[illegible]——[illegible]Herwegh[illegible]Weerth[illegible]Freiligrath[illegible]“[illegible]”[illegible]1820[illegible]

[10] “[illegible]”[illegible]Francis Horner[illegible]1879[illegible]“[illegible]——[illegible]——[illegible]……[illegible]”[illegible]Quoted in G. Taylor, Nineteenth Century Florists and their Flowers[illegible]The Listener 23.6.1949.[illegible]The Paisley weavers were particularly enthusiastic and rigorous ‘florists’[illegible]recognisting only eight flowers worthy of competitive breeding. The Nottingham lace-makers grew roses,which were not yet——unlike the hollyhock——a workingman’s flower.[illegible]

[11] [illegible]18[illegible]Ronda[illegible]

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Monge 1792—1793 ——

1795 1794 —— 1795 1794 Massachusetts 1806—1810 Henry Cavendish James Joule Count Rumford 1799 Royal Institution Humphry Davy Michael Faraday John Dalton London Mechanics Institution 1831 Liebig Giessen 1825

[illegible]
[illegible]（Humboldt，1769—1859）[illegible]
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[illegible]*Kosmos*（1845—1859）[illegible]

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[illegible]Henrik Abel[illegible]Janos
Bolyai[illegible]Kazan[illegible]Nikolai Lobachevsky[illegible]
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[illegible]*Proceedings of the Royal Society*（1831[illegible]
[illegible]*Comptes Rendus de l'Academie des Sciences*（1837[illegible]
[illegible]*Proceedings of American Philosophical Society*
（1838[illegible]Crelle[illegible]*Journal für Reine und Angewandte Mathematik* [illegible]
Annales de Chimie et de Physique（1797[illegible]

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[illegible]1786[illegible]Galvani[illegible]1799[illegible]
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Lavoisier 1743—1794 *Traité Elémentaire de Chimie*

1789 1803—1810 19 18

Woehler 1828 —— —— Schleiden Schwann 1838—1839

17 18 17 Gauss Cauchy Jacobi Galois 1826—1829 Bolyai 1831 —— L P Riemann L P 19

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[illegible] Steam Intellect Society [illegible]

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[illegible] Adolphe Quételet [illegible] *Sur l’ Homme* [illegible] 1835 [illegible]

[illegible]

[illegible] 1830 [illegible] [1] [illegible]

[illegible] 19 [illegible] Karamzin [illegible] Geijer [illegible] Palacky [illegible] Thiers [illegible] Mignet [illegible] Augustin Thierry [illegible] Niebuhr [illegible] Hallam [illegible] Lingard [illegible]

[illegible] Ecole des Chartes [illegible] 1821 [illegible] Public Record Office [illegible] 1838 [illegible] *Monumenta Germaniae Historiae* [illegible] 1826 [illegible] Leopold von Ranke [illegible] 1795—1886 [illegible]

[illegible] Friedrich Karl von Savigny [illegible] 1815 [illegible] 1835 [illegible] 1786 [illegible] Champollion [illegible] 1824 [illegible] Rawlinson [illegible] 1835 [illegible] Franz Bopp [illegible] 1791—1867 [illegible] [2]

[illegible]Cuvier[illegible]“[illegible]”[illegible]——[illegible]——[illegible]

[illegible]“[illegible]”[illegible]

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[illegible]William Smith[illegible]18[illegible]90[illegible]

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[3] [illegible]Paul[illegible]1762—1801[illegible]380[illegible]1811[illegible]1 400[illegible]P. Lyashchenko, History of the Russian National Economy, pp. 273—4.[illegible]

[4] [illegible]1851[illegible]67.4[illegible]“[illegible]”[illegible]5[illegible]“[illegible]”[illegible]

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[7] [illegible]1846—1848[illegible]5%[illegible]

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[1] Saint-Just, Oeuvres complètes, II, p. 514.

[2] A. Hovelacque, La taille dans un canton ligure. Revue Mensuelle de l’Ecole d’Anthropologie (Paris 1896).

[3] L. Dal Pane, Storia del Lavoro dagli inizi del secolo XVIII al 1815 (1958),p. 135. R. S. Eckers, The North-South Differential in Italian Economic Development, Journal of Economic History, XXI, 1961, p. 290.

[5] H. Sée, Esquisse d’une Histoire du Régime Agraire en Europe au XVIII et XIX siècles (1921), p. 184, J. Blum, Lord and Peasant in Russia (1961), pp. 455—60.

[7] A. Goodwin ed. The European Nobility in the Eighteenth Century (1953), p. 52.

[8] L. B. Namier, 1848, The Revolution of the Intellectuals (1944); J. Vicens Vives, Historia Economica de España (1959).

[9] Sten Carlsson, Stàndssamhälle och stàndspersoner 1700—1865 (1949).

[10] Pierre Lebrun et al., La rivoluzione industrial in Belgio, Studi Storici, II, 3—4, 1961, pp. 564—5.

[11] Like Turgot (Oeuvres V, p. 244): ‘Ceux qui connaissent la marche du commerce savent aussi que toute entreprise importante, de trafic ou d’industrie, exige le concours de deux espèces d’hommes, d’entrepreneurs...et

des ouvriers qui travaillent pour le compte des premiers, moyennant un salaire convenu. Telle est la véritable origine de la distinction entre les entrepreneurs et les maîtres, et les ouvriers ou compagnons, laquelle est fondé sur la nature des choses.'

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[1] Arthur Young, Tours in England and Wales, London School of Economics edition, p. 269.

[2] A. de Toqueville, Journeys to England and Ireland, ed. J. P. Mayer (1958), pp. 107—8.

[3] Anna Bezanson, The Early Uses of the Term Industrial Revolution, Quarterly Journal of Economics, XXXVI, 1921—2, p. 343, G. N. Clark, The Idea of the Industrial Revolution (Glasgow 1953).

[4] cf. A. E. Musson & E. Robinson, Science and Industry in the late Eighteenth Century, Economic History Review, XIII. 2, Dec 1960, and R. E. Schofield's work on the Midland Industrialists and the Lunar Society Isis 47 (March 1956), 48 (1957), Annals of Science II (June 1956) etc.

[6] W.G.Hoffmann, The Growth of Industrial Economics (Manchester 1958), p. 68.

[7] A. P. Wadsworth & J. de L. Mann, The Cotton Trade and Industrial Lancashire (1931), chapter VII.

[8] F.Crouzet, Le Blocus Continental et l'Economic Britannique (1958), p. 63, suggests that in 1805 it was up to two▯thirds.

[9] P. K. O'Brien, British Incomes and Property in the early Nineteenth Century, Economic History Review, XII, 2 (1959), p.267.

[11] Baines, History of the Cotton Manufacture in Great Britain (London 1835). p.431.

[12] P. Mathias, The Brewing Industry in England (Cambridge 1959).

[13] M. Mulhall, Dictionary of Statistics (1892), p. 158.

[14] Baines, op. cit., p. 112.

[15] cf. Phyllis Deane, Estimates of the British National Income, Economic History Review (April 1956 and April 1957).

[16] O'Brien, op. cit., p. 267.

[17] For the stationary state cf. J. Schumpeter, History of Economic Analysis (1954), pp. 570—1. The crucial formulation is John Stuart Mill's (Principles of Political Economy, Book IV, chapter iv): 'When a country has long possessed a large production, and a large net income to make saving from, and when, therefore, the means have long existed of making a great annual addition to capital; it is one of the characteristics of such a country, that the rate of profit is habitually within, as it were, a hand's breadth of the minimum, and the country therefore on the very verge of the stationary state... The mere continuance of the present annual increase in capital if no circumstances occurred to counter its effect would suffice in a small number of years to reduce the net rate of profit (to the minimum).' However, when this was published (1848) the counteracting force-the wave of development induced by the railways-had already shown itself.

[18] By the radical John Wade, History of the Middle and Working Classes, the banker Lord Overstone, Reflections suggested by the perusal of Mr J. Horsley Palmer's pamphlet on the causes and consequences of the pressure on the

Money Market (1837), the Anti-Corn Law campaigner J. Wilson, Fluctuations of Currency, Commerce and Manufacture; referable to the Corn Laws (1840); and in France by A. Blanqui (brother of the famous revolutionary) in 1837 and M. Briaune in 1840. Doubtless also by others.

[19] Baines, op. cit., p. 441. A. Ure & P. L. Simmonds, The Cotton Manufacture of Great Britain (1861 edition),p. 390 ff.

[20] Geo. White, A Treatise on Weaving (Glasgow 1846), p. 272.

[21] M. Blaug, The Productivity of Capital in the Lancashire Cotton Industry during the Nineteenth Century, Economic History Review (April 1961).

[22] Thomas Ellison, The Cotton Trade of Great Britain (London 1886), p. 61.

[23] Baines, op. cit., p. 356.

[24] Baines, op. cit., p. 489.

[25] Ure & Simmonds, op. cit., Vol. I, p.317 ff.

[26] J. H. Clapham, An Economic History of Modern Britain (1926), p. 427 ff.; Mulhall, op. cit. pp. 121, 332, M. Robbins, The Railway Age (1962), p. 30—1.

[28] Mulhall, op. cit. 501, 497.

[29] L. H. Jenks, The Migration of British Capital to 1875 (New York and London 1927), p.126.

[30] D. Spring, The English Landed Estate in the Age of Coal and Iron, Journal of Economic History, (XI, I, 1951)

[32] Albert M. Imlah, British Balance of Payments and Export of Capital,1816—1913,Economic History Review V (1952, 2, p. 24).

[33] John Francis, A History of the English Railway (1851) II, 136; see also H. Tuck, The Railway Shareholder's Manual (7th edition 1846), Preface, and T. Tooke, History of Prices II, pp. 275, 333—4 for the pressure of accumulated Lancashire surpluses into railways.

[34] Mulhall, op. cit., p. 14.

[35] Annals of Agric. XXXVI, p. 214.

[36] Wilbert Moore, Industrialisation and Labour (Cornell 1951).

[37] Blaug, loc. cit., p. 368. Children under 13, however, declined sharply in the 1830's.

[39] Mulhall, op. cit.; Imlah, loc. cit., II, 52, pp. 228—9. The precise date of this estimate is 1854.

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[1] See R. R. Palmer, The Age of Democratic Revolution (1959); J. Godechot, La Grande Nation (1956), Vol. I, Chapter 1.

[2] B. Lewis, The Impact of the French Revolution on Turkey, Journal of World History, I (1953—4, p.105)

[3] H. Sée, Esquisse d'une Histoire du Régime Agraire (1931), pp. 16—17.

[4] A. Soboul, Les Campagnes Montpelliéraines à la fin de l'Ancien Régime (1958).

[5] A. Goodwin, The French Revolution(1959 cd.), p. 70.

[7] D. Greer, The Incidence of the Terror (Harvard 1935).

[8] Oeuvres Complètes de Saint-Just, Vol. II, p. 147 (ed. C. Vellay, Paris 1908).

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[1] Cf. e.g. W. von Grootc, Die Entstehung d. Nationalbewussteins in Nordwestdeutschland 1790—1830 (1952).

[2] M. Lewis, A Social History of the Navy, 1793—1815 (1960), pp. 370, 373.

[3] Gordon Craig, The Politics of the Prussian Army 1640—1945 (1955), p. 26.

[4] A. Sorel, L’Europe et la révolution francaise, I (1922 ed.), p. 66.

[5] Considérations sur la France, Chapter IV.

[6] Quoted in L.S.Stavrianos,Antecedents to Balkan Revolutions, Journal of Modern History,XXIX,1957, p.344.

[7] G. Bodart, Losses of Life in Modem Wars (1916), p. 133.

[8] J. Vicens Vives ed. Historia Social de Espaňa y America (1956), IV, ii, p. 15.

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[10] J. Leverrier, La Naissance de l’armée nationale, 1789—94 (1939), p. 139; G.Lefebvre,Napoléon(1936), pp.

198, 527; M. Lewis, op. cit., p. 119; Parliamentary Papers XVII, 1859, p. 15.

[11] Mulhall, Dictionary of Statistics: War.

[12] Cabinet Cyclopedia, I, pp. 55—6 (‘Manufactures in Metal’).

[13] E. Tarlé, Le Blocus continental et le royaume d’Italie(1928), pp. 3—4, 25—31; H. Sée, Histoire Economique de la France,II, p. 52; Mulhall, loc. cit.

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[1] See J. Dubois, Le Vocabulaire politique et social en France de 1869 à 1872 (Paris 1963).

[2] D. A. Wells, Recent Economic Changes (New York 1889), p.1.

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[1] P. Goldammer (ed.), 1848, Augenzeugen der Revolution (East Berlin 1973), p.58.

[2] Goldammer, op. cit., p.666.

[3] K. Repgen, Märzbewegung und Maiwahlen des Revolutionsjahres 1848 im Rheinland (Bonn 1955), p.118.

[4] Rinascità, Il 1848, Raccolta di Saggi e Testimonianze (Rome 1948).

[5] R. Hoppe and J. Kuczynski, ‘Eine...Analyse der Märzgefallenen 1848 in Berlin’, Jahrbuch für Wirtschaftgeschichte (1964), IV, pp.200-276; D. Cantimori in F.Fejtö, ed., 1848-Opening of an Era (1948).

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[8] Paul Gerbod, La Condition universitaire en France au 19e siècle(Paris 1965).

[9] Karl Marx, Class Struggles in France 1848-1850 (Werke, VII, pp.30-31).

[10] Franz Grillparzer, Werke (Munich 1960), I, p.137.

[11] Marx, Class Struggles in France (Werke, VII, p.44).

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[illegible]1848[illegible]19[illegible]“[illegible]”[illegible]1846[illegible]1857[illegible]Republic of New Granada[illegible]1848—1854[illegible]

[11]

年份	铁路钢铁	机器
1845—1849	1 291	4.9
1850—1854	2 846	8.6
1856—1860	2 333	17.7
1861—1865	2 067	22.7
1866—1870	3 809	24.9
1870—1875	4 040	44.1

[illegible]19[illegible]——[illegible]——[illegible]19[illegible]30[illegible]1850[illegible]250[illegible]1870[illegible]100[illegible]—200[illegible]“[illegible]”[illegible]600[illegible]20[illegible]2.5[illegible]4[illegible]4.5[illegible]1850[illegible]400[illegible]1870[illegible]1850[illegible]

[illegible]“[illegible]”[illegible]fixed engine[illegible]1850[illegible]34[illegible]1870[illegible]1000[illegible]671[illegible]1852[illegible]9160[illegible]1875[illegible]15[illegible]1873[illegible]70[illegible]1200[illegible]13[illegible]

[illegible]1850[illegible]170[illegible]90[illegible]56[illegible]37[illegible]27[illegible]1873[illegible]1850[illegible]1/3[illegible]1870[illegible]1/4[illegible]410[illegible]90[illegible]1850[illegible]1870[illegible]1850[illegible]4[illegible]10%[illegible]1870[illegible]90[illegible]1850[illegible]6.7[illegible]1870[illegible]34.1[illegible]——[illegible]

[illegible]1850[illegible]1871[illegible]19[illegible]60[illegible]“[illegible]”[illegible]

[illegible]19[illegible]50[illegible]19[illegible]40[illegible]60%[illegible]19

[illegible]60[illegible]19[illegible]70[illegible]50%[illegible]19[illegible]70[illegible]19[illegible]40[illegible]5[illegible]19[illegible]50[illegible]——[illegible]Bessemer converter[illegible]1856[illegible]—[illegible]Siemens-Martin open hearth furnace[illegible]1864[illegible]——[illegible]1870[illegible]15%[illegible]10%[illegible]

[illegible]“[illegible]”[illegible]19[illegible]70[illegible]1760—1840[illegible]19[illegible]

[illegible]·[illegible]George Stephenson[illegible]19[illegible]C.[illegible]C.Wheatstone[illegible]1802—1875[illegible]·[illegible]William Thompson[illegible]1824—1907[illegible]—[illegible]Gilchrist-Thomas[illegible]“[illegible]”[illegible]·[illegible]Jules Verne[illegible]1828—1905[illegible]L.[illegible]L.Pasteur[illegible]1822—1895[illegible]——[illegible]Jena[illegible]·[illegible]Ernst Abbe[illegible]Zeiss[illegible]·[illegible]Alva Edison[illegible]1847—1931[illegible]

[illegible]“[illegible]”[illegible] [12]

[illegible]1870—1871[illegible]“[illegible]”[illegible]

[illegible]1898[illegible]
[illegible]19[illegible]50[illegible]Realschule[illegible]1867[illegible]“[illegible]”[illegible]50[illegible]14[illegible]“[illegible]”[illegible] [13]

[illegible]1861—1865[illegible]5.8[illegible]1871—1875[illegible]45.5[illegible]1881—1885[illegible]100[illegible]1859[illegible]2000[illegible]1874[illegible]1100[illegible]J.D.Rockefeller[illegible]1839—1937[illegible]“[illegible]”[illegible]Standard Oil Company[illegible]

[illegible]19[illegible]60[illegible]“[illegible]”[illegible] [14] [illegible]1850[illegible]7600[illegible]cwt[illegible]112[illegible]1876[illegible]15.9[illegible]20[illegible]1876[illegible]200[illegible]380[illegible]19[illegible]70[illegible]

[illegible]Colt[illegible]Winchester[illegible]19[illegible]60[illegible]Cincinnati[illegible]1875[illegible]6.2[illegible]1855[illegible]40[illegible]1861—1865[illegible]300[illegible]19[illegible]60[illegible]“[illegible]”[illegible]

[illegible]20[illegible]

4

[illegible]19[illegible]70[illegible]19[illegible]40[illegible]“[illegible]”[illegible]19[illegible]70[illegible]80[illegible]1848[illegible]19[illegible]70[illegible]

[illegible]19[illegible]70[illegible]1860[illegible]Clement Juglar[illegible]1819—1905[illegible]“[illegible]”[illegible]19[illegible]70[illegible]“[illegible]”[illegible]“[illegible]” [15]

[illegible]2.1[illegible]1877[illegible]60%[illegible]1865—1873[illegible]20[illegible]1877[illegible]6.3[illegible]1889[illegible]“[illegible]”[illegible]“[illegible]1873[illegible]……[illegible]‘[illegible]’[illegible]” [16] [illegible]

[illegible]1873—1896[illegible]“[illegible]”[illegible]1929—1934[illegible]1929—1934[illegible]

[illegible]19[illegible]70[illegible]19[illegible]19[illegible]40[illegible]19[illegible]70[illegible]

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[1] Cited in Ideas and Beliefs of the Victorians (London 1949), p.51.

[2] I owe this reference to Prof. Sanford Elwitt.

[3] ‘Philoponos’, The Great Exhibition of 1851; or the Wealth of the World in its Workshops (London 1850), p.120.

[4] T. Ellison, The Cotton Trade of Great Britain (London 1886), pp.63 and 66.

[5] Horst Thieme, ‘Statistische Materialien zur Konzessionierung der Aktiengesellschaften in Preussen bis 1867’,Jahrbuch für Wirtschaftsgeschichte(1960), II, p.285.

[6] J. Bouvier, F. Furet and M. Gilet, Le Mouvement du profit en Franceau 19e siècl(Ha gue 1955), p. 444.

[7] Engels to Marx (5 November 1857) (Werke, XXIX, p.211).

[8] Marx to Danielson (10 April 1879) (Werke, XXXIV, pp.370-75).

[9] Calculated from Ellison, op. cit., Table II, using the multiplier on p.111.

[10] F. S. Turner, British Opium Policy and its Results to India and China (London 1876), p.305.

[11] B. R. Mitchell and P. Deane, Abstract of Historical Statistics (Cambridge 1962), pp.146-7.

[12] C. M. Cipolla, Literacy and Development in the West (Harmondsworth 1969), Table 1, Appendix II, III.

[13] F. Zunkel, ‘Industriebürgertum in Westdeutschland’in H. U. Wehler (e d.), Moderne Deutsche Sozialgeschichte(Cologne-Berlin 1966), p.323.

[14] L. Simonin, Mines and Miners or Underground Life (London 1868), p.290.

[15] Daniel Spitzer, Gesammelte Schriften (Munich and Leipzig 1912), II, p.60.

[16] J. Kuczynski, Geschichte der Lage der Arbeiter unter dem Kapitalismus (East Berlin 1961), XII, p. 29.

[illegible]

[illegible]……[illegible]

——[illegible]1848[illegible] [1]

[illegible]

——[illegible]U.S.Grant[illegible]1873[illegible] [2]

“[illegible]——[illegible]”

“[illegible]”[illegible]“[illegible]”

“[illegible]”

——[illegible]1859[illegible] [3]

1

[illegible]“[illegible]”[illegible]18[illegible]16[illegible]19[illegible]——[illegible]——[illegible]Macedonia[illegible]

[illegible]Ottoman Empire[illegible]
[illegible]

[illegible]“[illegible]”[illegible]1848[illegible]——[illegible]

[illegible]*Almanach de Gotha*[illegible]1859[illegible]1861[illegible]1863[illegible]1868[illegible]1871[illegible]1880[illegible]“[illegible]”[illegible]1720—1780[illegible]1780—1840[illegible]1870[illegible]1830[illegible]——[illegible]19[illegible]70[illegible]8800[illegible]1840[illegible]2000[illegible]——[illegible]3100[illegible]140[illegible]1120[illegible]200[illegible]600[illegible]100[illegible]1840[illegible]1870[illegible]140[illegible]

[illegible]1848—1870[illegible]350[illegible]1600[illegible]700[illegible]4100[illegible]1875[illegible]600[illegible]2500[illegible]1872[illegible]500[illegible]2400[illegible]1875[illegible]150[illegible]2000[illegible]1875[illegible]35[illegible]6[illegible]

[illegible]1849[illegible]J.Richardson[illegible]1787—1865[illegible]H.Barth[illegible]1821—1865[illegible]A.Overweg[illegible]1822—1852[illegible]·[illegible]David Livingstone[illegible]1813—

1873[illegible]1840—1873[illegible]“[illegible]”[illegible]New York Herald[illegible]·[illegible]·[illegible]Henry Morton Stanley[illegible]1841—1904[illegible]S.W.Baker[illegible]1821—1892[illegible]J.H.Speke[illegible]1827—1864[illegible]

[illegible]……[4]

[illegible]Bolton[illegible]

[illegible]19[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]19[illegible]70[illegible]19[illegible]40[illegible]150[illegible]1871[illegible]500[illegible]19[illegible]70[illegible]19[illegible]80[illegible]1000[illegible]“[illegible]”[illegible]20[illegible]“[illegible]”[illegible]——[illegible]——[illegible]

[illegible]1875[illegible]1862[illegible]

[illegible]1872[illegible]80[illegible]·[illegible]Phileas Fogg[illegible]

[illegible]Brindisi[illegible]7[illegible]13[illegible]3[illegible]41[illegible]1869[illegible]7[illegible]——[illegible]——[illegible]

[illegible]1848[illegible]200[illegible]1870[illegible]110[illegible]1870[illegible]90[illegible]150[illegible]1848[illegible]11[illegible]4[illegible]

[illegible]1851[illegible]11—12.5[illegible]1873[illegible]“[illegible]”[illegible]10[illegible][5][illegible]1848[illegible]1848[illegible]19[illegible]70[illegible]Holyhead[illegible]8.5[illegible]1974[illegible]3.5[illegible]19[illegible]30[illegible]1848[illegible]

2

[illegible]1845[illegible]“[illegible]”[illegible]1855[illegible]1865[illegible]1875[illegible]1000[illegible]Tahiti[illegible]1875[illegible]6.2[illegible]11.2[illegible]50[illegible]13.17[illegible]7.15[illegible]10[illegible]9[illegible]19[illegible]25[illegible]

[illegible][6] [illegible]

年份	1840	1850	1860	1870	1880
欧洲	1,7	14,5	31,9	63,3	101,7
北美	2,8	9,1	32,7	56,0	100,6
印度	—	—	0,8	4,8	9,3
亚洲其余地区	—	—	—	—	*
澳大利亚	—	—	*	1,2	5,4
拉丁美洲	—	—	*	2,2	6,3
非洲（包含埃及）	—	—	*	0,6	2,9
全世界	4,5	23,6	66,3	128,2	228,4

*[illegible]500[illegible]

[illegible][7] [illegible]

年　份		1845	1855	1865	1875
欧洲	拥有铁路的国家	9	14	16	18
	拥有 1000 公里以上的国家	3	6	10	15
	拥有 1 万公里以上的国家	—	3	3	5
美洲	拥有铁路的国家	3	6	11	15
	拥有 1000 公里以上的国家	1	2	2	6
	拥有 1 万公里以上的国家	—	1	1	2
亚洲	拥有铁路的国家	—	1	2	5
	拥有 1000 公里以上的国家	—	—	1	1
	拥有 1 万公里以上的国家	—	—	—	1
非洲	拥有铁路的国家	—	1	3	4
	拥有 1000 公里以上的国家	—	—	—	1
	拥有 1 万公里以上的国家	—	—	—	—

[illegible]1854[illegible]“[illegible]”[illegible]Semmering[illegible]3000[illegible]1871[illegible]4500[illegible]1869[illegible]“[illegible]”[illegible]8600[illegible]1874[illegible]19[illegible]——[illegible]·[illegible]Henry Meiggs[illegible]1811—1877[illegible]“[illegible]”——[illegible]1.584[illegible]Mont Cenis[illegible]1857[illegible]1870[illegible]7.5[illegible]24[illegible]

[illegible]Seville[illegible]19[illegible]60[illegible]19[illegible]70[illegible]

[illegible] Newcastle [illegible]·[illegible] William Pattison [illegible] 1852 [illegible] [8] [illegible]·[illegible] Satyadjit Ray [illegible] *Pather Panchali* [illegible] 19 [illegible]——[illegible]

[illegible]——[illegible]·[illegible] Thomas Brassey [illegible] 1805—1870 [illegible] 8 [illegible]—[illegible] Prato-Pistoia [illegible]—[illegible] LyonsAvignon [illegible] Jutland [illegible]—[illegible] Bilbao-Miranda [illegible] Mauritius [illegible]—[illegible] Lemberg-Czernowitz [illegible]—[illegible] Boca-Barracas [illegible]—[illegible] Warsaw-Terespol [illegible] Callao Docks [illegible]

“[illegible]”[illegible]·[illegible] George Hudson [illegible] 1800—1871 [illegible]·[illegible] Barthel Stmusberg [illegible] 1823—1884 [illegible]“[illegible]”——[illegible]·[illegible] Jim Fisk [illegible] 1834—1872 [illegible]·[illegible] Jay Gould [illegible] 1836—1892 [illegible]·[illegible] Cornelius Vanderbilt [illegible] 1794—1877 [illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible] 1848 [illegible]“[illegible]”[illegible]“[illegible]

□□□□□□”□Austrian Lloyd□□□□□□□□□□□□□□□□□□□□□□□□□
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□□□·□□□Isaac Pereire□□□□·□□□Emile Pereire□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1837□□□1869□□□□□□□□□□□□□P.F.Talabot□1789—1885□□□□□□□□□□□□□□□□□□□□□□□□□□Rhône□□□

□□1840□□□□□□□14%□□□1870□□49%□□□□□□□□□□□□□19□□70□□□□□19□□80□□□□□□□□□□□□19□□80□□□□□□□□□□□□25%□□1840□□1850□□□□□□□□□□□□□□□1/4□□1870□□□1/3□□□1880□□□□□1/2□□□□□□□□□□□□□□1850—1880□□□□□□□□□□□1600%□□□□□□□□□□□□440%□□□1874□125□□□□□□90□□□□□□□□□□□——□□□□□□□50□□□□□□□□□□□□□□□□□1875□□580□□□□□□□□□□□□□□□

□□□19□□30□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1836—1837□□□□□□□□□□□□□□□□□□□□□□Cooks□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1840□□□□□□□□□□□□□□□□□□□□□1847□□□□□□□□□□□□□□□□□□□□□□□□□Faraday□□□□□□□□□□□□□□□1853□□□□□□□□Gintl□□□□□□□□□□Stark□□□□□□□□□□□□□□□□□□□19□□50□□□□□□□□□□□□□□□□□□□□□□□□□□2000□□□1860□□□□□□□□□□□□□□□□□□tieker-tape□□□□□□telex□□□□

[illegible] 19 [illegible] 40 [illegible] 1848 [illegible] 1849 [illegible] 1850 [illegible] 1851 [illegible] 1852 [illegible] 1853 [illegible] 1854 [illegible] 19 [illegible] 50 [illegible] 19 [illegible] 60 [illegible] 1849 [illegible] 2000 [illegible] 1854 [illegible] 1.5 [illegible] 1859 [illegible] 4.2 [illegible] 1864 [illegible] 8 [illegible] 1869 [illegible] 11.1 [illegible] 1852 [illegible] 6 [illegible] 25 [illegible] 1869 [illegible] 600 [illegible] 400 [illegible] 200 [illegible] 60 [illegible] —70 [illegible] [9]

[illegible] 19 [illegible] 50 [illegible] — [illegible] Dover-Calais [illegible] 1851 [illegible] — [illegible] RamsgateOstend [illegible] 1853 [illegible] 19 [illegible] 40 [illegible] 1857—1858 [illegible] 1865 [illegible] “ [illegible] ” [illegible] Great Eastern [illegible] 1870 [illegible] — [illegible] — [illegible] — [illegible] — [illegible] — [illegible] — [illegible] — [illegible] — [illegible] — [illegible] — [illegible] — [illegible] — [illegible] — [illegible] — [illegible] — [illegible] — [illegible] — [illegible] 1872 [illegible] 1871 [illegible] Derby [illegible] 5 [illegible] 80 [illegible] 1848 [illegible]

[illegible] —— [illegible] —— [illegible] 1869 [illegible] 19 [illegible] 60 [illegible]

[illegible] 1869 [illegible] 60% [illegible] · [illegible] Julius Reuter [illegible] 1816—1899 [illegible] 1851 [illegible] Aachen [illegible]

[illegible]1858[illegible]19[illegible]60[illegible]

[illegible]1871—1872[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]——[illegible]——[illegible]

[illegible]“[illegible]”[illegible]19[illegible]25[illegible]Burton[illegible]

3

[illegible]——[illegible]——[illegible]

1848[illegible]1[illegible]·[illegible]James Marshall[illegible]Sacramento[illegible]Sutter’s Mill[illegible]——[illegible]——[illegible]812[illegible]——[illegible]

[illegible]Polk[illegible]12[illegible]“[illegible]”[illegible]1849[illegible]1.4[illegible]10[illegible]1852[illegible]25[illegible]3.5[illegible]1849[illegible]9[illegible]540[illegible]1850[illegible]1150[illegible]50[illegible]

[illegible]1851[illegible]1852[illegible]“[illegible]” [10] [illegible]

[illegible]1849[illegible]8[illegible]200[illegible]Sandwich Islands[illegible]——[illegible]——[illegible]——[illegible]——[illegible]1849[illegible]1854[illegible]1850[illegible]*Bankers Magazine*[illegible]“[illegible]”[illegible] [11]

[illegible]“[illegible]Cacknackers[illegible]”[illegible]1860[illegible]2400[illegible]350[illegible] [12] [illegible]“[illegible]” [13] 1849[illegible]76[illegible]1850[illegible]4000[illegible]1852[illegible]2[illegible]1876[illegible]11.1[illegible]25%[illegible]——[illegible]1850[illegible]——[illegible]1862[illegible]88[illegible]——[illegible]

1882[illegible]*Exclusion Act*[illegible]

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1848[illegible]1857[illegible]1873[illegible]19[illegible]70[illegible]80[illegible]

[illegible]——[illegible]——[illegible]1848—1875[illegible]“[illegible]”[illegible]“[illegible]”[14][illegible]1870[illegible]1862[illegible]1865[illegible]——[illegible]——[illegible]Ouargla[illegible]

[illegible]Timbuctoo[illegible]Tafilelt[illegible]19[illegible]1867—1869[illegible]——[illegible]——[illegible]

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[illegible]19[illegible]60[illegible]——[illegible]——[illegible]

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[illegible]Victor EmmanuelⅡ[illegible]

[illegible]1864[illegible]1866[illegible]1867[illegible]1918[illegible]“[illegible]”[illegible]1938—1945[illegible]

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[illegible]19[illegible]70[illegible]1878[illegible]1875—1876[illegible]1868[illegible]1873[illegible]

[illegible]19[illegible]60[illegible]

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[illegible]1848[illegible]30[illegible]1848[illegible]1848[illegible]30[illegible]——[illegible]1851—1864[illegible]1861—1865[illegible]——[illegible]

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19 70 19 50 “ ” “ ”

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“ ” 12 1858—1859 1864 1866 1870—1871 16 1815—1914 1848—1871 ——20 20 —— 1871 Paraguay 1864—1870 63 33%—40% 33 20 3 19 60 10

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3300[illegible]250[illegible]1870—1871[illegible]170[illegible]7700[illegible]2.5%[illegible]
2200[illegible]8%[illegible]19[illegible]60[illegible]30[illegible]Sadowa[illegible]1866[illegible]Gravelotte[illegible]Sedan[illegible]1870[illegible]
1859[illegible]Solferino[illegible]

[illegible]19[illegible]25[illegible]

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[10] I am obliged to Dr R. Anderson for these data.

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——T.1877 [2]

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19[illegible]50[illegible]“[illegible]”[illegible]·[illegible]

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19[illegible]60[illegible]10[illegible]——[illegible]“[illegible]”[illegible]8%[illegible]1%[illegible]19[illegible]70[illegible]20%—25%[illegible]

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[illegible] 20 [illegible] 1857—1870 [illegible] 1864 [illegible] 19 [illegible] 60 [illegible] 19 [illegible] 70 [illegible]

[illegible] “[illegible]” [illegible] 1848 [illegible] 19 [illegible] 60 [illegible] 1867 [illegible] 1866 [illegible] National Liberals [illegible] “[illegible]” [illegible] “[illegible]” [illegible] “[illegible]” [illegible] “[illegible]” [illegible] “[illegible]” [illegible] “[illegible]” [illegible]

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1857[illegible]1849[illegible]1857[illegible]19[illegible]60[illegible]70[illegible]1860[illegible]1848[illegible]1852[illegible]

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1875[illegible]——[illegible]——[illegible]SPD[illegible]

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[illegible]19[illegible]70[illegible]1873—1875[illegible]1866—1868[illegible]

[illegible]1874[illegible]60[illegible]1870[illegible]

[illegible]*Theories on Surplus Value*[illegible]1867[illegible]*Critique of the Gotha Programme*[illegible]1875[illegible]19[illegible]60[illegible]

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[illegible]1813—1864[illegible]1847—1848[illegible]“[illegible]”[illegible]1851[illegible]

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[2] Erskine May, op. cit., I, p.25.

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[3] Werke, XXXIV, pp.510-11.

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[illegible]19[illegible]50[illegible]“[illegible]”[illegible]——[illegible]“[illegible]”[illegible]——[illegible]·[illegible]Huckleberry Finn[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[2] Cited in R. Giusti, ‘L’agricoltura e i contadini ne! Mantovano (1848-1866)’, Movimento Operaio VII, 3-4 (1955), p.386.

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[6] ‘Bauerngut’, Handwörterbuch der Staatswissenschaften (2nd ed.), II, pp.441 and 444.

[7] ‘Agriculture’ in Mulhall, op. cit., p.7.

[8] I. Wellman, ‘Histoire rurale de la Hongrie’, Annales E.S.C., 23, 6(1968), p.1203; Mulhall, loc. cit.

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[29] Purš, op. cit., p. 40.

[30] Franco Venturi, Les Intellectuels, le peuple et larevolu tion. Histoiré du populisme russe au XIX siècle (Paris 1972), II, pp. 946-8. This magnificent book, an earlier edition of which exists in English translation (Roots of Revolution [London 1960]), is the standard work on its subject.

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[illegible]1840[illegible]1880[illegible]19[illegible]80[illegible]1890[illegible]19[illegible]80[illegible]

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[illegible]20[illegible]1000[illegible]2000[illegible]19[illegible]30[illegible]100[illegible] [13] [illegible]1848[illegible]*The Builder*[illegible]“[illegible]……[illegible]” [14] 19[illegible]25[illegible]Zola[illegible]“[illegible]”[illegible]“[illegible]”[illegible]19[illegible]80[illegible]Manhattan[illegible]520[illegible]

[illegible]19[illegible]60[illegible]70[illegible]“[illegible]”[illegible]

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[illegible]19[illegible]50[illegible]300[illegible]1871[illegible]180[illegible]

[illegible]85[illegible] [15] [illegible]

[illegible]19[illegible]60[illegible]Humber[illegible]Northeast Railway[illegible]1860[illegible]Risca[illegible]145[illegible]1867[illegible]Ferndale[illegible]178[illegible]1875[illegible]Yorkshire[illegible]140[illegible]Mons[illegible]110[illegible]1877[illegible]High Blantyre[illegible]200[illegible]1873[illegible]Gutehoffnunshütte A.G.[illegible]——[illegible]21.5[illegible]41.5[illegible]——[illegible] [16]

[illegible]Essen[illegible]1848[illegible]72[illegible]1873[illegible]1.2[illegible]Schneider[illegible]1870[illegible]1.25[illegible]Creusot[illegible] [17] [illegible]“[illegible]”[illegible]“[illegible]”[illegible]1864[illegible]414[illegible] [18]

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[illegible]19[illegible]25[illegible]——[illegible]——[illegible]——[illegible]1856[illegible]33[illegible]38[illegible]22[illegible]11[illegible]7[illegible]11[illegible]42[illegible]550[illegible] [19]

[illegible]1869[illegible]“[illegible]” [20] [illegible]1855—1866[illegible]“[illegible]”[illegible]——[illegible]——[illegible]1870[illegible]

[illegible]19[illegible]1868[illegible]“[illegible]”
[21] [illegible]

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[illegible]“E.B”[illegible]1867[illegible]

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[illegible]·[illegible]（Samuel Smiles）[illegible]*Self-Help*（1859[illegible]“[illegible]”[illegible]

[illegible]19[illegible]“[illegible]”[illegible]“[illegible]”（wages-fund[illegible]“[illegible]”[illegible]1870[illegible]“[illegible]”[illegible]1869[illegible]“[illegible]”[illegible]

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[illegible]19[illegible]60[illegible]“[illegible]”[illegible]

[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]19[illegible]——[illegible]40—50[illegible]50—60[illegible]——[illegible]——[illegible]——[illegible]1857—1858[illegible]1/3[illegible][24][illegible]

[illegible]“[illegible]”[illegible]servants[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]“[illegible]”[illegible]

19 60 19 30 40 1853—1854 1858

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Preston

1851 52%

[26] 40

19

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[illegible]1875[illegible]“[illegible]‘[illegible]’[illegible]Buckwheats[illegible]——[illegible]——[illegible]”[illegible][27]

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[illegible]19[illegible]70[illegible]

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[illegible]“[illegible]”[illegible]

[illegible]——[illegible]19[illegible]50[illegible]18[illegible][28]——[illegible]

[illegible]1820[illegible]1873—1875[illegible]7%[illegible]9%[illegible]58%[illegible]90%[illegible]“[illegible]”[illegible]62%[illegible]68%[illegible]0.23%[illegible]1821[illegible]1.4%[illegible]1.4%[illegible][29][illegible]——[illegible]“[illegible]”[illegible]19[illegible]60[illegible]70[illegible]19[illegible]50[illegible][30]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]19[illegible]60[illegible]“[illegible]”[illegible]19[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Mutual Aid Societies[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]19[illegible]“[illegible]”[illegible]respectability[illegible]1848[illegible]19[illegible]25[illegible]·[illegible]William Marcroft[illegible]1822—1894[illegible]1861[illegible]1.5[illegible]

[illegible]·[illegible]William Allan[illegible]1813—1874[illegible]“[illegible]”[illegible]1848[illegible]Amalgamated Society of Engineers[illegible]——“[illegible]”[illegible]——[illegible]“[illegible]”[illegible][31]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Bildungsvereine[illegible]1863[illegible]1000[illegible]1872[illegible]2000[illegible]19[illegible]60[illegible]“[illegible]”[illegible][32][illegible]“[illegible]”[illegible]——[illegible]——“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]1848[illegible]1880[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Salvation Army[illegible]19[illegible]40[illegible]·[illegible]Henry Mayhew[illegible]1871[illegible]

[illegible]——[illegible]——[illegible]1848[illegible]1871[illegible]

[illegible]“[illegible]”[illegible]association[illegible][33][illegible]——[illegible]——[illegible]——[illegible]40%——[illegible]

[illegible]——[illegible]——[illegible]19[illegible]40[illegible]·[illegible]Robert Giffen[illegible]1837—1900[illegible]1883[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible][34][illegible]——[illegible]——[illegible]

[illegible]1000[illegible]……[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1000[illegible]“[illegible]”……[illegible]200[illegible]500[illegible]……[illegible]500[illegible][35]

[illegible]——[illegible]40%——[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Bacup[illegible]·[illegible]Beatrice Potter[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”。

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[illegible]“[illegible]50[illegible]”[illegible]“[illegible]50[illegible]”[illegible] [37] [illegible]“[illegible]”[illegible]19[illegible]25[illegible]

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（Mme Mott-Bossut）[illegible]1856）[1]

[illegible]

——[illegible]1876）[2]

1

[illegible]“[illegible]”[illegible]

1840 *The Talisman*

19 Biedermayer

Pullman 1865

[illegible]E.M.Forster[illegible]“[illegible]”[illegible]·[illegible]George Lukacs[illegible]“[illegible]”[illegible]Privatgelehrter[illegible]

[illegible]19[illegible]·[illegible]·[illegible]Henry Ward Beecher[illegible]19[illegible]70[illegible]·[illegible]Worcestershire[illegible][3][illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]

“ ” “ ” 19 1900 4 30 [4] “ ” [5] Lewis Carroll —— “ ” to make love · Thomas Mann *Dr.Faustus* · Adrian Leverkuehn [6]

19 50 19 60 70 1863 Manet

[illegible]

[illegible]Bernard Shaw[illegible][7] [illegible]“[illegible]”[illegible]Alcoholics Anonymous[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]19[illegible]*Nana* [illegible]Muffat[illegible]19[illegible]60[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]—1854[illegible]162[illegible]1874[illegible]600[illegible][8] ——[illegible]“[illegible]”[illegible]Parvenu[illegible]“[illegible]”[illegible]19[illegible]50[illegible]

[illegible]Wuppertal[illegible]Friedrich Wichelhaus[illegible]1810—1886[illegible]Robert[illegible]1836[illegible]1831[illegible]1842[illegible]1846[illegible]1829[illegible]1838[illegible][9][illegible]19[illegible]1914[illegible]19[illegible]25[illegible]

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[illegible]

[illegible]

[illegible][10]

[illegible]——[illegible]——[illegible]“[illegible]”[11][illegible]·[illegible]John Ruskin[illegible]1819—1900[illegible]

[illegible]

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[illegible]

[illegible][12]

[illegible]Charles Kingsley[illegible]“[illegible]”[illegible]

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[illegible]“[illegible]”[illegible][14][illegible]“[illegible]”[illegible][15][illegible]19[illegible]·[illegible]Seebohm Rowntree[illegible]——[illegible]1841[illegible]1881[illegible]20%[illegible]12%——[illegible]——[illegible]——[illegible]

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[illegible]“[illegible]”[illegible]“[illegible]*Echo du Nord*[illegible]”[illegible] [18] [illegible]“[illegible]”[illegible]—[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Forsyte[illegible]19[illegible]

[illegible]1865[illegible]89%[illegible]7%[illegible]4%[illegible]——[illegible] [19] [illegible]19[illegible]Nottingham[illegible]2/3[illegible]Koechlin[illegible]Geigy[illegible]Sarrasin[illegible]—[illegible]“[illegible]”[illegible]——[illegible]——[illegible] [20] [illegible]

[illegible]1851[illegible]Lefebvres[illegible]Amedée Prouvost[illegible]Siemens and Halske[illegible]1847[illegible]Werner[illegible]Carl and William[illegible]Mulhouse[illegible]—[illegible]Dollfus-Mieg[illegible]·[illegible]AndréKoechlin[illegible]Nicholas[illegible]“[illegible]”[illegible] [21] [illegible]Schlumberger et Cie[illegible]19[illegible]——[illegible]——[illegible]

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[illegible]“[illegible]”[illegible]1848[illegible]150[illegible]90[illegible]45[illegible]“[illegible]”[illegible]15[illegible]1960[illegible]450[illegible] [22] [illegible]1873[illegible]40%[illegible]31%[illegible] [23]

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Council[illegible]25%—40%[illegible]“[illegible]”[illegible]20%—30%[illegible]“[illegible]”[illegible]20[illegible]15%—25%[illegible]——[illegible]50%[illegible]——[illegible]20%—30%[illegible]“[illegible]”[illegible][24] 19[illegible]83%[illegible]16%[illegible]16%[illegible]15%[illegible]“[illegible]”[illegible]18%[illegible]42%[illegible]——[illegible][25] [illegible]“[illegible]”[illegible]19[illegible]1830[illegible][26] [illegible]

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[illegible]Auersperg[illegible]Chotek[illegible]Baron von Werthemstein[illegible]——[illegible]——[illegible]

[illegible]1870[illegible]——[illegible]——[illegible]1850[illegible]“[illegible]”[illegible]1870[illegible][27]

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[illegible]Aussig[illegible]Duisburg[illegible]Theodor Boeninger[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]19[illegible]25[illegible]“[illegible]”[illegible]1855[illegible]“[illegible]”[illegible]
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[4] G. von Mayr, Statistik und Gesellschatslehre III Sozialstatistik, Erste Lieferung (Tülbingen 1909), pp. 43-5. For the unreliability of statistics on prostitution, ibid. (5. Lieferung), p. 988. For the strong relationship of prostitution and venereal infection, Gunilla Johansson, ‘Prostitution in Stockholm in the latter part of the 19th century’ (mimeo) (1974). For estimates of the prevalence and mortality from syphilis in France, see T. Zeldin, France 1848-1945 (Oxford 1974), 1, pp.304-6.

[5] The freedom of visiting American girls is noted in the relevant section of the chapter on foreigners in Paris inthe superb Paris Guide 1867 (2 vols).

[6] For Cuba, Verena Martinez Alier, ‘Elopement and seduction in 19th century Cuba’, Past and Present, 55 (May 1972); for the American South E. Genovese, Roll Jordan Roll (New York 1974), pp.413-30 and R. W. Fogel and Stanley Engermann, op. cit.

[7] From the ‘Maxims for Revolutionists’in Man and Superman: ‘A moderately honest man with a moderately faithful wife, moderate drinkers both, in a moderately healthy house: that is the true middle class unit’.

[8] Zunkel, op. cit., p.320.

[9] Zunkel, op. cit., p.526 n. 59.

[10] Tupper, op. cit.: ‘Of Home’, p.361.

[11] Tupper, loc. cit., p.362.

[12] John Ruskin, ‘Fors Clavigera’, in E.T.Cook and A. Wedderburn (eds.), Collected Works(London and New York 1903-12), vol. 27, letter 34.

[13] Tupper, op. cit.: ‘Of Marriage’, p.118.

[14] H. Bolitho (ed.), Further Letters of Queen Victoria (London 1938), p.49.

[15] ‘My opinion is that if a woman is obliged to work, at once (although she may be a Christian and well bred) she loses the peculiar position which the word lady conventionally designates’(Letter to the English woman’s Journal, VIII (1866), p.59).

[16] Trénard, op. cit., pp. 38 and 42.

[17] Tupper, op. cit.: ‘Of Joy’, p.133.

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——[illegible]·[illegible]1864[illegible] [1]

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——[illegible]F.Schaubach[illegible]1863[illegible] [2]

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——[illegible]1866[illegible] [3]

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19[illegible]25[illegible]“[illegible]”[illegible]Cournot[illegible]1861[illegible]“[illegible]” [4] [illegible]·[illegible]Hippolyte Taine[illegible]1828—1893[illegible]“[illegible]”[illegible]“[illegible]”[illegible]19[illegible]60[illegible]“[illegible]”[illegible] [5] [illegible]“[illegible]”[illegible]“[illegible]”[illegible]Religion of Humanity[illegible]

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19

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1860

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1860

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19 25

Georg

Bernhard Riemann[illegible]1826—1866[illegible]1854[illegible]*On the Hypothese Which Underlie Geometry*[illegible]1868[illegible]19[illegible]17[illegible]19[illegible]

[illegible]——[illegible]——[illegible]Pasteur[illegible]Claude Bernard[illegible]1813—1878[illegible]Rudolf Virchow[illegible]1821—1902[illegible]Helmholtz[illegible]1821—1894[illegible]James Clerk Maxwell[illegible]1831—1879[illegible]

[illegible]“[illegible]”[illegible]H.Kronecker[illegible]1839—1914[illegible]K.Weierstrass[illegible]1815—1897[illegible]R.Dedekind[illegible]1831—1916[illegible]G.Cantor[illegible]1845—1918[illegible]“[illegible]”[illegible]“[illegible]”[illegible]electrornagnetic[illegible]5[illegible]1864[illegible]5[illegible]

[illegible]19[illegible]90[illegible]Joseph Fraunhofer[illegible]1787—1826[illegible]“[illegible]Greenwich[illegible]”[illegible]1861[illegible]

[illegible]19[illegible]thermodynamics[illegible]19[illegible]25[illegible]1851[illegible]*The Dynamical Equivalent of Heat*[illegible]1862[illegible]“[illegible]”[illegible]1941[illegible][6][illegible]Ludwig Boltzmann[illegible]1844—1906[illegible]1868[illegible]19[illegible]“[illegible]”[illegible][7][illegible]

[illegible]19[illegible][8][illegible]18[illegible]25[illegible]19[illegible]25[illegible]

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[illegible]Avogadro[illegible]1811[illegible]1860[illegible]1848[illegible]1865[illegible]Kekulé[illegible]1829—1896[illegible]——[illegible]——[illegible]C6H6[illegible]

[illegible]Mendeleev[illegible]1834—1907[illegible]19[illegible]1860[illegible]1859[illegible]19[illegible]60[illegible]Mayer[illegible]1830—1895[illegible]92[illegible]“[illegible]”[illegible]

[illegible]*Introduction to the Study of Experimental Medicine*[illegible]1865[illegible]——[illegible]——[illegible]19[illegible]Robert Koch[illegible]1843—1910[illegible]Lister[illegible]1827—1912[illegible]

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19　50

1856　Neanderthal

[illegible]1848[illegible]19[illegible]50[illegible] [9] [illegible]

[illegible]*The Origin of Species* [illegible]Alfred Russel Wallace[illegible]1823—1913[illegible]19[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]” [10] [illegible]Kautsky[illegible]

[illegible]10[illegible]

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[illegible]1857[illegible]The British Association for the Promotion of Social Science[illegible]1839[illegible]sociology[illegible]1876[illegible]19[illegible]25[illegible]

[illegible]“[illegible]”[illegible]physical anthropology[illegible]1855[illegible]Musée National[illegible]Quatrefages[illegible]1859[illegible]Paris Anthropological Society[illegible]19[illegible]60[illegible]A.Bain[illegible]*Mental and Moral Science* [illegible]1868[illegible]W.Wundt[illegible]1832—1920[illegible]19[illegible]70[illegible]1859[illegible] [11]

[illegible]“[illegible]”[illegible]L.Walras[illegible]1834—1910[illegible]1853[illegible]William Farr[illegible]1807—1883[illegible]Royal Society[illegible]

[illegible]1870[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]19[illegible]“[illegible]”[illegible]

[illegible]1875[illegible]25[illegible][12] [illegible]1867[illegible]1000[illegible]1872[illegible]1000[illegible]

[illegible]19[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]19[illegible]H.Schliemann[illegible]1822—1890[illegible]Troy[illegible]Mycenae[illegible]Flinders Petrie[illegible]1853—1942[illegible]

[illegible]1858[illegible]*Historische Zeitschrift*[illegible]1876[illegible]*Revue Historique*[illegible]1886[illegible]*Historical Review*[illegible]1895[illegible]*American Historical Review*[illegible]

[illegible]“[illegible]”[illegible]Indo-German[illegible]H.Steinthal[illegible]1823—1899[illegible]A.Schleicher[illegible]1821—1868[illegible]“[illegible]”[illegible]genera[illegible]“[illegible]”[illegible]species[illegible]—[illegible]Finno-Ugrian[illegible]—[illegible]19[illegible]19[illegible]Grimm[illegible]“[illegible]”[illegible]family trees[illegible]Schmidt[illegible]“[illegible]”[illegible]wave-theory[illegible]19[illegible]70[illegible]Junggrammatiker[illegible]Celtic[illegible]19[illegible]19[illegible]25[illegible]—[illegible]F.MaxMuller[illegible]1823—1900[illegible]“[illegible]”[illegible]Aryan race[illegible]

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[illegible]E.B.Tylor[illegible]1832—1917[illegible]*Primitive Culture*[illegible]1871[illegible]“[illegible]”[illegible]“[illegible]”[illegible] [13] [illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]*Anthropolgical Review*[illegible]

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[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Gregor Mendel[illegible]1822—1884[illegible]1865[illegible]1900[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]19[illegible]25[illegible]“[illegible]”[illegible]

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[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Willard Gibbs[illegible]1839—1903[illegible]1875[illegible]

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[illegible]19[illegible]—[illegible]“[illegible]”[illegible]1850[illegible]36.5%[illegible]1870[illegible]59%[illegible]19

[illegible]40%[illegible] [16] [illegible]Col.Ingersoll[illegible]1833—1899[illegible]

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[illegible]1871—1877[illegible]800[illegible] [17] [illegible]——[illegible]——[illegible]Madagascar[illegible]1869[illegible]19[illegible]80[illegible]3000[illegible]1900[illegible]1.8[illegible]“[illegible]”[illegible] [18] [illegible]19[illegible]19[illegible]40[illegible]6[illegible]50—80[illegible]10[illegible]3[illegible]4[illegible]80[illegible]14[illegible]90[illegible]17[illegible] [19] [illegible]“[illegible]”[illegible]

[illegible]1848[illegible]—[illegible]Lourdes[illegible]1858[illegible]1875[illegible]1860[illegible]

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[1] Francis Darwin and A. Seward (eds.), More Letters of Charles Darwin (New York 1903), 11, p.34.

[2] Cited in Engelsing, op. cit., p.361.

[3] Anthropological Review, IV (1866), p.115.

[4] P. Benaerts et. al., Nationalité et Nationalisme (Paris 1968), p.623.

[5] Karl Marx, Capital, I, postscript to second edition.

[6] In the Electromagnetic Theory of Julius Stratton of the MIT. Dr S. Zienau, to whom my references to physical sciences are enormously indebted, tells me that this came at a fortunate moment for the Anglo-Saxon war-effort in the field of radar.

[7] J. D. Bernal, Science in History (London 1969), II, p.568.

[8] Bernal, op. cit.

[9] Lewis Feuer has lately suggested that it was not Marx but Edward Aveling who approached Darwin, but this does not affect the argument.

[10] Marx to Engels (19 December 1860) (Werke, XXX, p.131).

[11] H. Steinthal and M. Lazarus, Zeitschrift für Völkerpsychologie und Sprachwissenschaft.

[12] F. Mehring, Karl Marx, The Story of his Life (London 1936), p.383.

[13] E. B. Tylor, ‘The Religion of Savages’, Fortnightly Review VI (1866), p.83.

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[16] W. Philips, ‘Religious profession and practice in New South Wales 1850-1900’, Historical Studies (October 1972), p.388.

[17] Haydn’s Dictionary of Dates (1889 ed.): Missions.

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[19] Catholic Encyclopedia; article: Missions, Africa.

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——[illegible]E.Pelletan[illegible]1877[illegible] [2]

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[illegible]19[illegible]70[illegible]10[illegible]P.Tchaikovsky[illegible]1840—1893[illegible]M.Mussorgsky[illegible]1835—1881[illegible]

[illegible]Tennyson[illegible]1809—1892[illegible]Browning[illegible]Rimbaud[illegible]Hawthorne[illegible]1804—1864[illegible]Whitman[illegible]1819—1891[illegible]·[illegible]Mark Twain[illegible]1835—1910[illegible]19[illegible]A.Dvoák[illegible]1841—1904[illegible]B.Smetana[illegible]1824—1884[illegible]——[illegible]Henrik Ibsen[illegible]1828—1906[illegible]

[illegible]G.Verdi[illegible]1813—1901[illegible]1848[illegible]Bruckner[illegible]1824—1896[illegible]1848[illegible]

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[illegible]1850—1875[illegible]Hertford[illegible]

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[illegible]1914[illegible]1860[illegible]19[illegible]50[illegible]18[illegible]1000[illegible]19[illegible]60[illegible]8[illegible]19[illegible]70[illegible]14[illegible]3[illegible]Sèvres[illegible]1000[illegible]19[illegible]50[illegible]3[illegible]19[illegible]60[illegible]7[illegible]19[illegible]

[illegible]70[illegible]11[illegible] [6] [illegible]19[illegible]50[illegible]60[illegible]5[illegible]—6[illegible]10[illegible]*Travels*[illegible]1857[illegible]guinea[illegible]21[illegible]6[illegible]3[illegible] [7] [illegible]

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[illegible]——[illegible]Millais[illegible]1868—1874[illegible]2[illegible]—2.5[illegible]——[illegible]Frith[illegible]Railway Station[illegible]1860[illegible]4500[illegible]750[illegible] [8] [illegible]Mlle Rosa Bonheur[illegible]1822—1899[illegible]Landseer[illegible]19[illegible]60[illegible]L.AlmaTadema[illegible]1836—1912[illegible]—[illegible]Edwaid Bulwer-Lytton[illegible]1853[illegible]Routledge’s Railway Library[illegible]10[illegible]2[illegible]5000[illegible] [9] [illegible]Harriet Beecher Stowe[illegible]Uncle Tom’s Cabin[illegible]150[illegible]40[illegible]

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andcraft[illegible]1860[illegible]·[illegible]William Morris[illegible]19[illegible]50[illegible]Pre-Raphaelite[illegible]19[illegible]25[illegible]19[illegible]80[illegible]

[illegible]G.Flaubert[illegible]1821—1880[illegible]1848[illegible]1[illegible]19[illegible]60[illegible]1868[illegible]3.3[illegible][10][illegible]15[illegible]1870[illegible]W.Thackeray[illegible]1811—1863[illegible]George Eliot[illegible]1819—1880[illegible]·[illegible]

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[illegible]1848[illegible]9[illegible]19[illegible]70[illegible]40[illegible]（Private Views）[illegible]1870[illegible]“[illegible]”[illegible]

[illegible]Henry Irving[illegible]19[illegible]60[illegible]

[illegible]operetta[illegible]1856[illegible]1865—1875[illegible]10[illegible]Jacques Offenbach[illegible]1819—1880[illegible]·[illegible]Johann Strauss Jr.[illegible]1825—1899[illegible]——[illegible]1867[illegible]*Die Fledermaus*[illegible]1874[illegible]Suppé[illegible]1820—1895[illegible]Gilbert[illegible]1836—1911[illegible]Sullivan[illegible]1842—1900[illegible]*Rigoletto*[illegible]*Il Trovatore*[illegible]*La Traviata*[illegible]1848[illegible]Labiche[illegible]1815—1888[illegible]Meilhac[illegible]1831—1897[illegible]Halévy[illegible]1834—1908[illegible]19[illegible]50[illegible]Folies Bergère[illegible]Comédie Francaise[illegible][12][illegible]“[illegible]”[illegible]

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Victor Emmanuel Gallery

19 … 20 … 19 … “ … ” … —— … Gounod … Boito … Ambroise Thomas … Berlioz … “ … ” Gesamtkunstwerk … “ … ” … 1874 … *Pictures from an Exhibition*

“ … ” … 19 … “ … realism … ” … Leitmotive … *Tristan and Isolde* … 1865 … 19 … “ … ” … “ … ” … “ … ” … “ … ” … Jean François Millet … 1814—1875 … *Angelus*

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[illegible][17][illegible]Francis Wey[illegible]“[illegible]……[illegible]”[18][illegible]

[illegible]——[illegible]——[illegible]1793[illegible]1382[illegible]1862[illegible]·[illegible]Messrs Mayer and Pierson[illegible]——[illegible]——[illegible]“[illegible]”[illegible]

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[illegible]——[illegible]——[illegible]1870[illegible]——[illegible]——[illegible]Clemenceau[illegible]1848[illegible]——[illegible]——[illegible]

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[illegible]*Crime and Punishment*[illegible]1866[illegible]

Fathers and Sons

Scott

1871—

the RougonMacquaret series Pérez Galdós 1843—1920 1873 *Episodios Nacionales* Gustav Freytag 1816—1895

1872 *Die Ahnen*

Gottfried Keller 1819—1890

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[1] R. Wagner, ‘Kunst und Klima’, Gesammelte Schriften (Leipzig 1907), III, p.214.

[2] Cited in E. Dowden, Studies in Literature 1789-1877 (London 1892), p.404.

[3] Th. v. Frimmel, Lexicon der Wiener Gemäldesammlungen (A-L 1913-14); article: Ahrens.

[4] G. Reitlinger, The Economics of Taste (London 1961), chapter 6. I have relied much on this valuable work, which brings to the study of art a hard-headed financial realism suitable to our period.

[5] Asa Briggs, Victorian Cities (London 1963), pp.164 and 183.

[6] Reitlinger, op. cit.

[7] R. D. Altick, The English Common Reader (Chicago 1963), pp.355 and 388.

[8] Reitlinger, op. cit.

[9] F. A. Mumby, The House of Routledge (London 1934).

[10] M. V. Stokes, ‘Charles Dickens: A Customer of Coutts & Co.’, The Dickensian, 68 (1972), pp.17-30. I am indebted to Michael Slater for this reference.

[11] Mulhall, op. cit.; article: Libraries. A special note should be made of the British publiclibrary movement. Nineteen cities installed such free libraries in the 1850s, eleven in the 1860s, fifty-one in the 1870s (W. A. Munford,Edward Edwards [London 1963]).

[12] T. Zeldin, France 1848-1945 (Oxford 1974), I, p.310.

[13] G. Grundmann, ‘Schlösser und Villen des 19. Jahrhunderts von Unternehmem in Schlesien’, Tradition, 10, 4 (August 1965), pp.149-62.

[14] R. Wischnitzer, The Architecture of the European Synagogue (Philadelphia 1964), chapter X, especially pp.196 and 202-6.

[15] Gisèle Freund, Photographic und bürgerliche Gesellschaft (Munich 1968), p.92.

[16] Freund, op. cit., pp.94-6.

[17] Cited in Linda Nochlin (ed.), Realism and Tradition in Art (Englewood Cliffs 1966), pp.71 and 74.

[18] Gisèle Freund, Photographie et Société (Paris 1974), p.77.

[19] Freund, op. cit. (1968), p.111.

[20] Freund, op. cit. (1968), pp.112-13.

[21] For the question of artists and revolution in this period, see T. J. Clark, The Absolute Bourgeois (London 1973) and Image of the People:Gustave Courbet (London 1973).

[22] Nochlin, op. cit.., p.77.

[23] Nochlin, op. cit.., p.77.

[24] Nochlin, op. cit., p.53.

[25] Even in that lesser centre of Bohemia, Munich, the Münchner Kunstverein had about 4,500 members in the mid-1870s. P. Drey, Die wirtschaftlichen Grundlagen der Malkunst. Versuch einer Kunstökonomie (Stuttgart and Berlin 1910).

[26] ‘In art the handicraft is almost everything. Inspiration-yes, inspiration is a very pretty thing, but a little banale; it is so universal. Every bourgeois is more or less affected by a sunrise or sunset. He has a measure of inspiration.’Cited in Dowden, op. cit., p.405.

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[illegible]1871[illegible]1873[illegible]1871—1879[illegible]“19[illegible]70[illegible]”[illegible]1875[illegible]

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[1] Johann Nestroy, Sie Sollen Ihn Nicht Haben (1850).

[2] D. S. Landes, The Unbound Prometheus (Cambridge 1969), pp.240-41.

[3] Burckhardt, op. cit., p.116.

[4] Burckhardt, op. cit., p.171.

1875

帝国的年代 The Age of Empire

1914

[英] 艾瑞克·霍布斯鲍姆（Eric Hobsbawm）著 贾士蘅 译

中信出版集团

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[illegible]1982[illegible]Collège de France[illegible]13[illegible]·[illegible]Emmanuel Le Roy Ladurie[illegible]1983—1985[illegible]Leverhulme Trust[illegible]“[illegible]”[illegible]Maison des Sciences de l’Homme[illegible]·[illegible]Clemens Heller[illegible]World Institute for Development Economics Research of the UN University[illegible]Macdonnell Foundation[illegible]1986[illegible]·[illegible]Susan Haskins[illegible]·[illegible]Vanessa Marshall[illegible]·[illegible]Dr. Jenna Park[illegible]·[illegible]Francis Haskell[illegible]·[illegible]Alan Mackay[illegible]·[illegible]Pat Thane[illegible]

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1914 年或之后出生者	23%
活跃于 1880—1914 年间，或在 1914 年已是成人者	45%
出生于 1900—1914 年间者	17%
活跃于 1880 年前的	15%

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[illegible]——[illegible]19[illegible]

[illegible][7]

[illegible]Melanesian Islands[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]19[illegible]19[illegible]80[illegible]Melbourne[illegible]Buenos Aires[illegible]Calcutta[illegible]50[illegible]Amsterdam[illegible]Milan[illegible]Birmingham[illegible]Munich[illegible]Bombay[illegible]75[illegible]“[illegible]”[illegible]——[illegible]——[illegible]1/6[illegible]30%—45%[illegible][8][illegible]“[illegible]”[illegible]1880[illegible]19[illegible]“[illegible]”[illegible]

[illegible]19[illegible]Tata[illegible]19[illegible]80[illegible]“[illegible]”[illegible]

[illegible]19[illegible]80[illegible]“[illegible]”[illegible]“[illegible]”[illegible][9][illegible]

[illegible]“[illegible]”[illegible][10] 1800[illegible]10[illegible]17[illegible]500[illegible]1890[illegible]103[illegible]1800[illegible]6[illegible]1789[illegible]19[illegible]1880[illegible]——[illegible]Tyneside[illegible]Clydeside[illegible]Ruhr[illegible]Lisbon[illegible]Copenhagen[illegible]1880[illegible]

2

[illegible]“[illegible]”[illegible]1890[illegible]6 300[illegible]23[illegible] [11]

[illegible]“[illegible]”[illegible]——[illegible]19[illegible]80[illegible]Anatole France[illegible]“[illegible]Ritz[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Graham Greene[illegible]

[illegible]“[illegible]”[illegible]1880[illegible]“[illegible]”[illegible]——[illegible]19[illegible]70[illegible]“[illegible]”[illegible]Slovenia[illegible]——[illegible]“[illegible]”[illegible]1850[illegible]10%[illegible]1901[illegible] [12] [illegible]

[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]19[illegible]“[illegible]”[illegible]

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[illegible]19[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

19[illegible]70[illegible]——[illegible]300[illegible]200[illegible]18[illegible]

[illegible]95%[illegible]19[illegible]80[illegible]1890[illegible]300[illegible]19[illegible]80[illegible]——[illegible]40[illegible][13]

[illegible]1880[illegible]20[illegible][14][illegible]19[illegible]275[illegible]19[illegible]Mozart[illegible]19[illegible]19[illegible]80[illegible]1882[illegible]20[illegible]72%[illegible]20%[illegible][15][illegible]“[illegible]”[illegible]

[illegible]

1882[illegible]2.2[illegible]1880[illegible]1880[illegible]3:1[illegible]10[illegible]

19[illegible]70[illegible]19[illegible]80[illegible]Daimler[illegible]Benz[illegible]19[illegible]90[illegible]1876[illegible]T. A. Edison[illegible]New Jersey[illegible]Menlo Park[illegible]1877[illegible]

[illegible]“[illegible]”[illegible]19[illegible]70[illegible]“[illegible]”[illegible]19[illegible]70[illegible]3.5%[illegible]13%—14%[illegible]82%—83%[illegible]1880[illegible]1880[illegible][16] 1880[illegible]“[illegible]”[illegible]43—45[illegible]40[illegible]48—50[illegible][17][illegible]20[illegible]60[illegible]70[illegible]19[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]19[illegible]60[illegible]1890—1891[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Bon Marché[illegible]Whiteley’s Universal Emporium[illegible]Wanamakers[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]19[illegible]80[illegible]42[illegible]1880[illegible]1.86[illegible]1788[illegible]33[illegible]1880[illegible]4.5[illegible]50[illegible]15[illegible][18][illegible]“[illegible]”[illegible]·[illegible]Mandell Creighton[illegible]“[illegible]”[19][illegible]

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[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]“[illegible]”[illegible]“[illegible]”[illegible]19[illegible]70[illegible]“[illegible]”[illegible]10[illegible]1/4[illegible]

[illegible]——[illegible]1 000[illegible]Manaus[illegible]*Il Trovatore* [illegible]“[illegible]”[illegible]científicos[illegible]“[illegible]”[illegible]Committee for Union and Progress[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]World Expositions[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]Aryanization[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]250[illegible]“[illegible]”[illegible]

[illegible]·[illegible]·[illegible]John Stuart Mill[illegible]“[illegible]” [20] [illegible]——[illegible]——[illegible]19[illegible]70[illegible]——[illegible] [21]

[illegible]19[illegible]70[illegible]19[illegible]70[illegible]30[illegible]

[illegible]
[illegible]

[illegible]

——[illegible]A. V. Dicey[illegible]1905[illegible] [1]

[illegible]

——[illegible]I. G. Farben[illegible]·[illegible]Carl Duisberg[illegible]1903—1904[illegible] [2]

[illegible]

——[illegible]I. Gelphand[illegible]Parvus[illegible]1901[illegible] [3]

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1889 Socialist International 1873

…… Labrado [4]

1873 19 90 1870—1890 1 100 2 300 20 50 1 100 20 80 20 19 80 “ ”

“ ” Wells [5] 19 80

[illegible]·[illegible]Alfred Marshall[illegible]1888[illegible]“[illegible]”[illegible][6][illegible]19[illegible]70[illegible]

[illegible]1894[illegible]1867[illegible]1/3[illegible]40%—50%[illegible]90%[illegible]1872[illegible]1875—1889[illegible]2/3[illegible]1891—1892[illegible]19[illegible]90[illegible]populism[illegible]1879—1894[illegible]1875—1895[illegible]2/3[illegible]

[illegible]19[illegible]80[illegible]19[illegible]80[illegible]“[illegible]”[illegible]10[illegible]1880[illegible]1908[illegible]19[illegible]70[illegible]Raiffeisen[illegible]1884[illegible]10[illegible]40[illegible]2 000[illegible][7][illegible]1900[illegible]1 600[illegible]

[illegible]“[illegible]”[illegible]19[illegible]1873—1896[illegible]——[illegible]40%[illegible]

[illegible]1871[illegible]5[illegible]—1894[illegible]8[illegible]50%[illegible]

[illegible]1872[illegible]15[illegible]

[illegible]——[illegible]“[illegible]”[illegible]——[illegible]·[illegible]·[illegible]William Jennings Bryan[illegible]1860—1925[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]19[illegible]70[illegible]19[illegible]90[illegible]Méline[illegible]1892[illegible]McKinley[illegible]1890[illegible]

[illegible]**1914**[illegible] [8]

国家百分比国家	百分比	国家百分比国家	百分比
英国	0		
奥匈帝国、意大利	18	德国	13
荷兰	4	西班牙	41
法国、瑞典	20	丹麦	14
瑞士、比利时	9	美国（1913）	*30

*1890[illegible]49.5%[illegible]1894[illegible]39.9%[illegible]1897[illegible]57%[illegible]1909[illegible]38%[illegible]

[illegible]19[illegible]70[illegible]19[illegible]80[illegible]“[illegible]”[illegible]19[illegible]80[illegible]1881[illegible]55%[illegible][9][illegible]1905—1909[illegible]56%[illegible]76%[illegible]68%[illegible][10]

[illegible]20[illegible]80[illegible]100[illegible]1905[illegible]

19 100 “ ” · Adam Smith *The Wealth of Nations* 1776 “ ” “ ” “ ” “ ”

19 19 Honduras Madagascar 80% [11] 1820—1975 85.5 1820 [12]

19 1841—1911

“ ” 1815 1815—1830 1860 Rothschilds

[illegible]Naples[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]E. E. Williams[illegible]*Made in Germany*[illegible]1896[illegible]·[illegible]Fred Mackenzie[illegible]*American Invaders*[illegible]1902[illegible][13][illegible]

[illegible]1880—1914[illegible][14][illegible]1880—1914[illegible][15] 1914[illegible]“[illegible]”[illegible]40[illegible]1870[illegible]4[illegible]80%[illegible]1913[illegible]72%[illegible]1870[illegible]5[illegible][16][illegible]

[illegible]“[illegible]”[illegible]trust[illegible]“[illegible]”——[illegible]

[illegible]“[illegible]”[illegible]syndicate[illegible]“[illegible]”[illegible]cartel[illegible]——[illegible]“[illegible]——[illegible]”[illegible]Rhine-Westphalian Coal

Syndicate [illegible]1893[illegible]90%[illegible]1880[illegible]
[illegible]Standard Oil Company[illegible]90%—95%[illegible]
[illegible]63%[illegible]United States Steel[illegible]“[illegible]”[illegible]
[illegible]“[illegible]”[illegible][17][illegible]

[illegible]1914[illegible]10[illegible]1914[illegible]1900[illegible]“[illegible]”[illegible]“[illegible]”“[illegible]”[illegible]1880[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Lloyds Bank[illegible]164[illegible]1900[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]1910[illegible]“[illegible]”[illegible]F. W. Taylor[illegible]1856—1915[illegible]1881[illegible]“[illegible]”[illegible]“[illegible]——[illegible]”[illegible]time-motion study[illegible]1914[illegible]1918[illegible]·[illegible]Henry Ford[illegible]Bolshevik[illegible]

[illegible]1880—1914[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]

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[illegible]——[illegible]“[illegible]”[illegible]1900[illegible]“[illegible]”[18] [illegible]

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[illegible]19[illegible]90[illegible]“[illegible]”[illegible]Klondike[illegible]1898[illegible]20[illegible]Parvus[illegible]“[illegible]”[illegible]Kondratieff[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]

[illegible]4 500[illegible]6 500[illegible]5 000[illegible]9 200[illegible]1913[illegible]30[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1/3[illegible]10%[illegible]1860[illegible]“[illegible]”[illegible]20[illegible]50[illegible]1860[illegible]53%[illegible]49%[illegible]

[illegible]——[illegible]“[illegible]”[illegible]——[illegible]“[illegible]”[illegible]Josef Alois Schumpeter[illegible]1883—1950[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]"[illegible]"[illegible]19[illegible]40[illegible]18[illegible]80[illegible]20[illegible]70[illegible]25[illegible]19[illegible]90[illegible]——[illegible]——[illegible]"[illegible]"[illegible]

[illegible]"[illegible]"[illegible]1910—1913[illegible]19[illegible]70[illegible]10%—15%[illegible]1895—1902[illegible]1892[illegible]boll-weevil[illegible]"[illegible]"[illegible]

[illegible]1873—1896[illegible]1914[illegible]1914[illegible]"[illegible]"[illegible]"[illegible]"[illegible]1899—1913[illegible]1914[illegible]

[illegible]——[illegible]——[illegible]

[illegible]19[illegible]19[illegible]"[illegible]"[illegible]"[illegible]2 000[illegible]"[illegible]5 000[illegible]"[illegible]"[illegible]1910[illegible]1850[illegible]19%[illegible]14%[illegible]41%[illegible]80%[illegible]

[illegible]1850[illegible]2/3[illegible]
[illegible][19]

[illegible]1900[illegible]1895[illegible]1915[illegible]

[illegible]

[illegible]“[illegible]”[illegible]19[illegible]7%[illegible]8%[illegible]1900—1913[illegible]13%[illegible]“[illegible]”[illegible]——[illegible]15%[illegible]40%[illegible]

[illegible]80%[illegible]1860—1890[illegible]1 600[illegible]2 000[illegible]1890—1914[illegible]

3

[illegible]

[illegible]1880—1913[illegible]1900[illegible]19[illegible]90[illegible]5 200[illegible]1910—1913[illegible] [20] [illegible]Baku[illegible]Donets Basin[illegible]Johannesburg[illegible]1 600[illegible]

[illegible]1913[illegible]46%[illegible]23.5%[illegible]19.5%[illegible]11%[illegible] [21] [illegible]“[illegible]”[illegible]“[illegible]”[illegible]1860[illegible]1860[illegible]——[illegible]1900[illegible]25%[illegible]31%[illegible] [22] [illegible]

[illegible]1914[illegible]56%[illegible]44%[illegible] [23] 1914[illegible]12%[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]

[illegible] 1908 [illegible] “[illegible]” [illegible] ——[illegible]—— [illegible] 1907 [illegible] T [illegible] Model T [illegible] 1880—1913 [illegible] 1850—1880 [illegible] “[illegible]” [illegible] —1870—1913 [illegible] ——[illegible]

[illegible] “[illegible]” [illegible] “[illegible]” [illegible] 1900 [illegible]

[illegible] T [illegible] Rolls-Royce [illegible] 1880 [illegible] 19 [illegible] 90 [illegible] 100 [illegible] 1900 [illegible] [24]

[illegible] “[illegible]” [illegible] 1884 [illegible] 1/4 [illegible] Sir Thomas Lipton [illegible] 1870 [illegible] 1899 [illegible] 500 [illegible] [25]

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[illegible]950[illegible]1851[illegible]6.7[illegible]9.1[illegible]1881[illegible]30[illegible]12[illegible]1911[illegible]90[illegible]17%[illegible]1851[illegible]5[illegible]

[illegible]“[illegible]”[illegible]19[illegible]1875[illegible]

[illegible]

[illegible]19[illegible]90[illegible]“[illegible]”[illegible]1875—1914[illegible] [26]

“[illegible]”[illegible]“[illegible]”[illegible]1875—1914[illegible]1914[illegible]“[illegible]”[illegible]1914[illegible]1913[illegible]

[illegible]“[illegible]”[illegible]

[illegible]
[illegible]

[illegible]

——[illegible]·[illegible]Max Weber[illegible]1894[illegible] [1]

[illegible]“[illegible]……[illegible]……[illegible]”

——[illegible]1900[illegible] [2]

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[illegible] 1914 [illegible]

[illegible] 1895 [illegible] 1914 [illegible]
1875 [illegible] 19 [illegible] 20 [illegible] Caribbean Islands [illegible]

[illegible] Panama Canal [illegible] Colombia [illegible] 18 [illegible]

[illegible] Monroe Doctrine [illegible] 1823 [illegible]

[illegible] 1876—1915 [illegible] 1/4 [illegible] 400 [illegible] 350 [illegible] 100 [illegible] 100 [illegible] 10 [illegible] 10 [illegible] 30 [illegible]——[illegible]——[illegible] Greenland [illegible]

[illegible]19[illegible]90[illegible]19[illegible]1916[illegible]“[illegible]”[illegible]10[illegible]6[illegible]“[illegible]”[illegible] [3]

[illegible]“[illegible]”[illegible]19[illegible]90[illegible]1883[illegible]19[illegible]70[illegible]19[illegible]70[illegible]19[illegible]90[illegible]1900[illegible]J. A. Hobson[illegible]“[illegible]” [4] [illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]1875—1914[illegible]——[illegible]1917[illegible]“[illegible]”[illegible]19[illegible]90[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1914[illegible]20[illegible]

[illegible]“[illegible]”[illegible]20[illegible]“[illegible]”[illegible]dependency theory[illegible]

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[illegible]19[illegible]20[illegible]19[illegible]1900[illegible]“[illegible]”[illegible]

[illegible]19[illegible]90[illegible]

[illegible]19[illegible]Congo basin[illegible]19[illegible]1875—1914[illegible]1848—1875[illegible]1875—1915[illegible]1840—1870[illegible]1 000[illegible]1 600[illegible]40[illegible]1870[illegible]20[illegible]100[illegible]

[illegible]“[illegible]”[illegible]Mississippi[illegible]

[illegible]“[illegible]”[5]

[illegible]“[illegible]”[illegible]——[illegible]20[illegible]“[illegible]”——[illegible]Zaire[illegible]Zambia[illegible]

[illegible]——[illegible]——[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]19[illegible]40[illegible]1.5[illegible]19[illegible]60[illegible]3.26[illegible]19[illegible]90[illegible]5.7[illegible]19[illegible]90[illegible]2.24[illegible]19[illegible]60[illegible]9 800[illegible]19[illegible]40[illegible]4 000[illegible]Ceylon[illegible]——[illegible]20[illegible]1885[illegible]United Fruit Company[illegible]

[illegible]

[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”（settler capitalism）[illegible]“[illegible]”[illegible]——[illegible]——[illegible]1890[illegible]——[illegible]19[illegible]1929—1933[illegible]（Great Slump）[illegible]1914[illegible]58%[illegible]53%[illegible]1929[illegible]1914[illegible]

[illegible]19[illegible]“[illegible]”[illegible]——[illegible]——[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1913[illegible]76%[illegible]5%[illegible]3%[illegible][6][illegible]（Boer War）[illegible]

[illegible]“[illegible]”[illegible]19[illegible]80[illegible]

[illegible] LeopoldⅡ [illegible] [7] [illegible]

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[illegible]Gibraltar[illegible]Malta[illegible]Bermuda[illegible]Aden[illegible]1900[illegible]1896[illegible]

[illegible]“[illegible]”[illegible]1898[illegible]Spanish-American War[illegible]——[illegible]——[illegible]

[illegible]1894—1895[illegible]
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[illegible]1890[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]——[illegible]——[illegible]1870—1914[illegible]19[illegible]80%[illegible]“[illegible]”[illegible][15][illegible]——[illegible]

[illegible]1850—1870[illegible][16] 19[illegible]1/4[illegible]1/4[illegible]“[illegible]”[illegible]1/3[illegible]Harrods Department Store[illegible]1914[illegible]

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1914[illegible]1900[illegible]

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[illegible]——[illegible]——[illegible]——[illegible]——[illegible]——[illegible]1913[illegible]“[illegible]”（Compagnie Française de l’Afrique Occidentale）[illegible]26%[illegible][18][illegible]
1913[illegible]55%[illegible]

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[illegible]“[illegible]”[illegible]19[illegible]·[illegible]August Comte[illegible]1798—1857[illegible]Mahatma Gandhi[illegible]Ahmedabad[illegible]

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[illegible]1899[illegible]——[illegible]——[illegible]“[illegible]”[illegible][21]

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——[illegible]·[illegible]Gaetano Mosca[illegible]1895[illegible] [1]

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[illegible]1871[illegible]Commune of Paris[illegible]19[illegible]——[illegible]

[illegible]Aristotle[illegible]“[illegible]”[illegible]19[illegible]·[illegible]Louis Philippe[illegible]“[illegible]”[illegible]the legal country[illegible]“[illegible]”[illegible]the real country[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[illegible]1864[illegible]1870[illegible]19[illegible]19[illegible]90[illegible]20[illegible]1907[illegible]“[illegible]”[illegible]

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[illegible]1884[illegible]103[illegible]85[illegible]·[illegible]·[illegible]Charles Steward Parnell[illegible]1846—1891[illegible]19[illegible]90[illegible]

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[illegible]German Social Democracy[illegible]1914[illegible]United Irish League[illegible]Land and Labour Association[illegible]Gaelic Athletic Association[illegible]Ancient Order of Hibernians[illegible]1913[illegible]300[illegible]13[illegible][6]

[illegible]Bund der Landwirte[illegible]1893[illegible]20[illegible]1898[illegible]5[illegible]118[illegible]397[illegible][7][illegible]

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[illegible]13[illegible]7[illegible]4[illegible]1688[illegible]1649[illegible]Lord Rosebery[illegible]1899[illegible]·[illegible]Oliver Cromwell[illegible]1914[illegible]1900[illegible]

[illegible]Labour Party[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]Hanover[illegible]1866[illegible]——[illegible]Guelph[illegible]——[illegible]85%[illegible]94%—100%[illegible] [8] [illegible]——[illegible]——[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[illegible]——[illegible]*Le Temps*[illegible]*La Revue des Deux Mondes*[illegible]1897[illegible]——[illegible]*The Organisation Of Universal Suffrage*:*The Crisis of the Modern State*[illegible][11][illegible]·[illegible]Alfred Milner[illegible]1854—1925[illegible]1902[illegible]“[illegible]”[illegible]that mob at Westminster[illegible][12][illegible]19[illegible]80[illegible]“[illegible]”[illegible][13][illegible]

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[illegible] 1914 [illegible] 19 [illegible] 90 [illegible] 1889 [illegible] 1900 [illegible] ·[illegible] Eduard Bernstein [illegible] 1897 [illegible]

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[illegible]“[illegible]”（Sammlungspolitik）[illegible]——[illegible]——[illegible]

[illegible]19[illegible]Dicey，1835—1922[illegible]1870[illegible]19[illegible]80[illegible]1906—1914[illegible]1911[illegible]“[illegible]”[illegible]——[illegible]——[illegible]Carnegie[illegible]Rockefeller[illegible]Morgan[illegible]1914[illegible]1905[illegible]1914[illegible]

[illegible]“[illegible]”[illegible]1891—1911[illegible]1914[illegible]3%[illegible]5.5%—6%[illegible][14] 20[illegible]70[illegible]10%—13%[illegible]

[illegible]1900[illegible]“[illegible]”（Khaki election）[illegible]1898[illegible]·[illegible]（Theodore Roosevelt，1901—1909[illegible]

[illegible]

[illegible]1881—1912[illegible]71%[illegible]2 000[illegible]5%[illegible]10[illegible]Pomerania[illegible]11%—12%[illegible][15][illegible]——[illegible]——[illegible]19[illegible]19[illegible]60[illegible]——[illegible]——[illegible]Prague[illegible]3[illegible]1910[illegible]7%[illegible][16]

[illegible]——[illegible]19[illegible]70[illegible]——[illegible]

[illegible]“[illegible]”[illegible]·[illegible]Graham Wallas[illegible]1908[illegible]“[illegible]”[illegible]19[illegible][17][illegible]

[illegible]1880[illegible]7[illegible]14[illegible]19[illegible]80[illegible][18][illegible]1867[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible] [19] [illegible]

[illegible]19[illegible]80[illegible]19[illegible]90[illegible]“[illegible]”[illegible]1880[illegible]“[illegible]”[illegible]Royal Tournament[illegible]Kodak[illegible]20[illegible]10[illegible]Hohenzollern ruler[illegible]ToulouseLautrec[illegible]

[illegible]7[illegible]14[illegible] [20] [illegible]“[illegible]”[illegible]“[illegible]”[illegible]Little Germany[illegible]*Deutschland Uber Alles* [illegible]1848[illegible]19[illegible]90[illegible] [21]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]Robert Lowe[illegible]1867[illegible] [22] [illegible]J. P. Sousa[illegible]1854—1932[illegible]·[illegible]Edward Elgar[illegible]1857—1934[illegible]1890—1910[illegible] [23] [illegible]19[illegible]80[illegible] [24]

[illegible]——[illegible]——[illegible]

[illegible]Sportspalast[illegible]

[illegible]*Marseillaise*[illegible]*Internationale*[illegible][25][illegible]“[illegible]”[illegible]

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[illegible]Francis Joseph[illegible]1848—1916[illegible]1875—1914[illegible]1900—1914[illegible]

[illegible]——[illegible]——[illegible]“[illegible]”[illegible]·[illegible]1879—1891[illegible]“[illegible]”[illegible]1914[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1914[illegible]8[illegible]

[illegible]1914[illegible]8[illegible]1915[illegible]6[illegible]200[illegible]1914[illegible]

[illegible]1907[illegible]Belfast[illegible]1907[illegible]1911[illegible]Dublin[illegible]1913[illegible]

[illegible]1908[illegible]“[illegible]”（tragic week，1909[illegible]

[illegible]1912[illegible]H. H. Asquith[illegible]

[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]·[illegible]·[illegible]“[illegible]”[illegible]20[illegible]80[illegible]

[illegible]1880—1914[illegible]——[illegible]——[illegible]“[illegible]”[illegible]1917[illegible]“[illegible]——[illegible]”[26][illegible]1880[illegible]“[illegible]”[illegible]1917[illegible]15[illegible]

[illegible]1880—1914[illegible]

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[illegible]1945[illegible]
[illegible]——[illegible]
[illegible]20[illegible]
150[illegible]1880—1914[illegible]
[illegible]

[illegible]

[illegible]Schröder[illegible]……[illegible]……[illegible]……[illegible]

——[illegible]1911[illegible] [1]

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——[illegible]·[illegible]Samuel Gompers[illegible]1909[illegible] [2]

[illegible]

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[illegible]·[illegible]

[illegible]——[illegible]Patagonia[illegible]19[illegible]1914[illegible]1870—1914[illegible]

[illegible]——[illegible]19[illegible]

[illegible]“[illegible]”[illegible]Sachsengönger[illegible]“[illegible]”[illegible][4][illegible]1910[illegible]54%[illegible]40%[illegible][5]

[illegible]“[illegible]”[illegible]

19[illegible]1882—1907[illegible]40[illegible]37[illegible]1890—1910[illegible]1 500[illegible]1882[illegible]6[illegible]20%[illegible]1882[illegible]93%[illegible]63%[illegible][6][illegible]

[illegible]Iglesias[illegible]

[illegible]1875[illegible]50[illegible]1907[illegible]170[illegible]10%[illegible]16%[illegible]1913[illegible]125[illegible]1907[illegible]80[illegible]1985[illegible]19.7[illegible]13.75[illegible]“[illegible]”[illegible][7]

[illegible]19[illegible]

19 10 2/3 [8]

19 5 30 19 10 Roubaix Lodz Dundee Lowell Essen Middlesbrough Jarrow Barrow Ludwigshafen Widnes

Krupp Vickers Newcastle Armstrong 1913 10 23%—24% [9]

1880 1875 1906 “ ” [10]

1914 1912 100 1914 10% 1912 35%—40% 1911 27.6 100

[illegible]1914[illegible]7.6[illegible]140[illegible]103[illegible]1914[illegible]5[illegible]100[illegible][11][illegible]51%——[illegible]“[illegible]”

[illegible]1914[illegible]19[illegible]80[illegible]“[illegible]”

2

Western Federation of Miners

Bohemia 1/3 Slovaks Magyars

inter-regionalism 1870—1914

[illegible]“[illegible]”[illegible]——[illegible]——[illegible]1867—1875[illegible]20[illegible]80[illegible]1914[illegible]

[illegible]CGT[illegible] [12] [illegible]“[illegible]”[illegible]Free Trade Unions[illegible]19[illegible]90[illegible]20[illegible]30[illegible]

[illegible] [13]

[illegible]“[illegible]”[illegible]London and Northwestern Railway Company[illegible]19[illegible]90[illegible]6.5[illegible]7 000[illegible]800[illegible]

[illegible]——[illegible]——[illegible]20[illegible]Genoa[illegible]1910[illegible]15[illegible][14]

[illegible]1889—1890[illegible]

[illegible]——[illegible]1914[illegible]19[illegible]90[illegible]20[illegible]10[illegible]

[illegible]“[illegible]”[illegible]Federation of Land Workers[illegible]

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[illegible]（Van Gogh）[illegible]——“[illegible]”[illegible]1886[illegible]（Liège）[illegible]“[illegible]”（Workers Party）[illegible]（Val de Vesdre）80%—90%[illegible]（Ghent）[illegible]——[illegible]——[illegible]——“[illegible]”——[illegible]

[illegible]“[illegible]”[illegible]（Bochum）1842[illegible]4 200[illegible]1907[illegible]12[illegible]78%[illegible]0—3%[illegible]1841[illegible]6 000[illegible]1911[illegible]5[illegible]—10[illegible]19[illegible]——[illegible]

[illegible] 48 [illegible] 11 [illegible] 8 [illegible] —— [illegible] [15]

[illegible] “[illegible]” [illegible] “[illegible]” [illegible] La Croix-Rousse [illegible] 1913 [illegible] “[illegible]” [illegible] “[illegible]” [illegible] [16] [illegible] Rhône [illegible] Wedding [illegible] Neuköllun [illegible] Favoriten [illegible] Ottakring [illegible] Poplar [illegible] West Ham [illegible]

[illegible] Roanne [illegible] Parti Ouvrier [illegible] 1889—1891 [illegible] “[illegible]” [illegible] “[illegible]” [illegible] 19 [illegible] “[illegible]” [illegible] “[illegible]” [illegible] “[illegible]” [illegible] “[illegible]” [illegible] big business [illegible] “[illegible]” [illegible] grande industrie [illegible] “[illegible]” [illegible] grand patronat [illegible] “[illegible]” [illegible] Grossindustrie [illegible] [17] [illegible] “[illegible]” [illegible] “[illegible]” [illegible] [18]

[illegible] “[illegible]” [illegible]

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[illegible]19[illegible]90[illegible]20[illegible]10[illegible]1889[illegible]1910[illegible]

[illegible]“[illegible]”[illegible]industrial unionism[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Northumberland[illegible]Fife[illegible]Staffordshire[illegible]1888—1908[illegible]

[illegible]1893[illegible]1902[illegible]1905[illegible]1905[illegible]

[illegible]——[illegible]19[illegible]80[illegible]8[illegible]

[illegible]1890[illegible]
[illegible]1917[illegible]
[illegible][19][illegible]
1917[illegible]Gregorian Calendar[illegible]13[illegible]
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[illegible]1914[illegible]8[illegible]
[illegible]

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[illegible]1870—1914[illegible]19[illegible]80[illegible]19[illegible]90[illegible]1864—1872[illegible]——[illegible]1887—1893[illegible]10.1%[illegible]23.3%[illegible]1905[illegible]1914[illegible]——[illegible]

[illegible]1913[illegible]——[illegible]Naumburg-Merseburg[illegible]88%[illegible][20][illegible]“[illegible]”[illegible]“[illegible]”[illegible]19[illegible]80[illegible]

[illegible]“[illegible]”[illegible]1911—1912[illegible]6.1[illegible]36[illegible]“[illegible]”[illegible]5%[illegible]5%[illegible][21][illegible]“[illegible]”[illegible]30[illegible]

[illegible]Victor Adler[illegible]1852—1918[illegible]Jaurès[illegible]1859—1914[illegible]Turati[illegible]1857—1932[illegible]Branting[illegible]1860—1925[illegible]

[illegible]“[illegible]”[illegible]1848[illegible]“[illegible]”[illegible]——[illegible]“[illegible]”[illegible][22][illegible]1914[illegible]20[illegible]German Federation of Worker Choirs[illegible]1910[illegible]13[illegible]Workers’Cycling Club“Solidarity”[illegible]Worker Stamp Collectors[illegible]Worker Rabbit Breeders[illegible]——[illegible]1917[illegible]——[illegible]

[illegible]“[illegible]”,[illegible]1914[illegible]J. R. MacDonald[illegible]1906[illegible]——[illegible]

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Bakunin 1789 1776 19 80 19 90 20 1848 19 90

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1914 10 “ ” revolutionary syndicalism

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1905—1914[illegible]1891[illegible]1905[illegible]《*Communist Manifesto*》[illegible]2 000—3 000[illegible]*Darwin versus Moses*[illegible][26][illegible]“[illegible]”[illegible]Hilferding[illegible]Parvus[illegible]·[illegible]Rosa Luxemburg[illegible]——[illegible]

[illegible]1914[illegible]15[illegible]——[illegible]Waterloo[illegible]60[illegible]1848[illegible]“[illegible]”[illegible]

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[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Oklahoma[illegible]23[illegible]1912[illegible]25%[illegible]

[illegible]——[illegible]——[illegible]1901[illegible]Republican Radical and

Radical Socialist Party[illegible]“[illegible]”[illegible]

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[illegible]37%[illegible]1916[illegible]47%[illegible]

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Chassidic

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Arthur Morrison *A Child of the Jago*

1896 · Aristide Bruant

Belleville- Ménilmontant

· Gus Elen

Hackney Marshes

19

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[illegible]1880—1914[illegible]nationalism[illegible]19[illegible]1830[illegible]“[illegible]”[illegible]principle of nationality[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]19[illegible]·[illegible]James Connolly[illegible]1916[illegible]Easter Rising[illegible]

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[illegible]·[illegible]1894[illegible]“[illegible]”[illegible]Basque National Party[illegible]·[illegible]Theodor Herzl[illegible]Zionism[illegible]

[illegible]“[illegible]”[illegible]19[illegible]70[illegible]“[illegible]”[illegible]1873[illegible]International Statistical Congress[illegible]10[illegible]1880[illegible][5]

[illegible]19[illegible]1893[illegible]Gaelic League[illegible]Hebrew[illegible]Babylonian[illegible]1880[illegible]“[illegible]”[illegible]

[illegible]Yiddish[illegible]“[illegible]”[illegible]——[illegible]——[illegible]18[illegible]17[illegible]

[illegible]Castile[illegible]19[illegible]“[illegible]”[illegible]——[illegible]Catalan[illegible]——[illegible]19[illegible]20[illegible]

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[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1918[illegible]Pilsudski[illegible]“[illegible]” [6]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]“[illegible]”[illegible]“fatherland”[illegible]“father”[illegible]“[illegible]”[illegible]homeland[illegible]“[illegible]”[illegible]“patria”[illegible]19[illegible]18[illegible] [7] [illegible]“paese”[illegible]“pueblo”[illegible]Heimat[illegible]“[illegible]”[illegible]Hunsrück Mountain[illegible]

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[illegible]“[illegible]”[illegible]19[illegible]80[illegible]19[illegible]30[illegible]——[illegible][8][illegible]19[illegible]Otto[illegible]——[illegible]——[illegible]

[illegible]19[illegible]

[illegible]1870—1914[illegible]1870[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Azeglio[illegible]2[illegible]“[illegible]”[illegible]19[illegible]80[illegible]

[illegible]

[illegible]——[illegible]

2

[illegible]1910[illegible]1900[illegible]41[illegible][9][illegible]70%[illegible][10][illegible]“[illegible]”[illegible]1847[illegible]19[illegible]“[illegible]”[illegible]assimilation[illegible]

[illegible]“[illegible]”[illegible]1913[illegible]“[illegible]”[11]

[illegible]“[illegible]”[illegible]——[illegible]“[illegible]”[illegible]

1914[illegible]1914[illegible]360[illegible]15%[illegible]50[illegible][12][illegible]19[illegible]90[illegible]Pan-German League[illegible][13][illegible]“[illegible]”[illegible]——[illegible]——[illegible]·[illegible]Owen Wister[illegible]1902[illegible]*The Virginian*[illegible]·[illegible]Frederick Remington[illegible]·[illegible][14][illegible]

[illegible]“[illegible]”[illegible]——[illegible]Immigration Restriction League[illegible]1893[illegible]19[illegible]80[illegible]19[illegible]90[illegible]1914[illegible]

[illegible]Lucca[illegible]Salerno[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]

[illegible]1[illegible]4[illegible]——[illegible]“[illegible]”[illegible]1908[illegible][15][illegible]Tower of Babel[illegible][16][illegible]“[illegible]”[illegible]

[illegible]Masaryk[illegible]Pittsburgh[illegible]Pennsylvania[illegible]Ruthenes[illegible]Carpathians[illegible]1918—1945[illegible]

[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Provence[illegible]20[illegible]1914[illegible]·[illegible]

[illegible]1894[illegible]

[illegible][17]

[illegible]“[illegible]”[illegible]

[illegible]19[illegible]90[illegible]

[illegible]1910[illegible][18][illegible]1870[illegible]1883[illegible]1912[illegible]480[illegible]1874[illegible]220[illegible]10[illegible]

[illegible]“[illegible]”[illegible]——[illegible]1893[illegible]

[illegible]

[illegible]——[illegible]——[illegible]

[illegible]19[illegible]90[illegible]Nynorsk[illegible]1914[illegible]1916[illegible]1.6[illegible]

[illegible]19[illegible]80[illegible]4 000[illegible]6[illegible]6 500[illegible]50[illegible]15%[illegible]1/4[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]19[illegible]“[illegible]”[illegible]19[illegible]90[illegible]1848[illegible]

[illegible]

[illegible]——[illegible]——[illegible]19[illegible]70[illegible]1878[illegible]Congress of Berlin[illegible]19[illegible]70[illegible]

[illegible]“[illegible]”[illegible]1870—1871[illegible]·[illegible]Maurice Barrès[illegible]1862—1923[illegible]·[illegible]Pau l D erou lè de[illegible]1896[illegible]·[illegible]Enrico Corradini[illegible]1865—1931[illegible]“[illegible]”[illegible][19][illegible]1898[illegible]“[illegible]”[illegible]Action Francaise[illegible]

[illegible]——[illegible]——[illegible]Windsor[illegible]19[illegible]2[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]1899—1902[illegible]

[illegible]
[illegible]16[illegible]
[illegible]“[illegible]”[illegible]

3

[illegible]——[illegible]——[illegible]“[illegible]”[illegible]1907[illegible]38%[illegible]——[illegible]Beneš[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]——[illegible]

[illegible]20[illegible]10[illegible]“[illegible]”[illegible][20]

[illegible]1917[illegible]1914[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]1914[illegible]1914[illegible]

[illegible]

[illegible]

[illegible]……[illegible]“[illegible]”[illegible]

——[illegible]·[illegible]William James[illegible] [1]

[illegible]……[illegible]……[illegible]

——H.G.[illegible]1909[illegible] [2]

[illegible]……[illegible]

——[illegible]Holloway College[illegible]1883[illegible]

1

[illegible]19[illegible]19[illegible]“[illegible]”（cuisine bourgeoise）[illegible]19[illegible]

[illegible]“[illegible]”[illegible]1914[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]——[illegible]19[illegible]70[illegible]·[illegible]（Norman Shaw）[illegible]（Bedford Park）[illegible]（Cottage-Viertel）[illegible]（Dahlem）[illegible]（GrunewaedViertel）[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]——[illegible]

[illegible]——[illegible]——[illegible]——[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]1900[illegible]“[illegible]”[3]

[illegible]——[illegible]——[illegible]Villa Hügel[illegible]Akroyds[illegible]Crossleys[illegible]Bankfield House[illegible]Belle Vue[illegible]Halifax[illegible]Duke of Omnium[illegible]·[illegible]50[illegible]49[illegible]25[illegible][4] [illegible]Bury[illegible]Zwickau[illegible]Forsytes[illegible]Kensington Gardens[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]5[illegible]6[illegible][5] [illegible]

[illegible]19[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]19[illegible][6] [illegible]Buddenbrooks[illegible]·[illegible]Thomas Mann[illegible]——[illegible]Hanseatic[illegible]——[illegible]Cabots[illegible]Lowells[illegible]

[illegible]19[illegible]90[illegible]“[illegible]”[illegible]1900[illegible]19[illegible]90[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]19[illegible]“[illegible]”——[illegible]·[illegible]Thorstein Veblen[illegible]“[illegible]”[illegible][7][illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]19[illegible]20[illegible]Visconti[illegible]*Death in Venice*[illegible]

[illegible]

2

[illegible]“[illegible]”[illegible]3[illegible]4[illegible]——[illegible]——[illegible]1870—1914[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Bürgertum[illegible]Mittelstand[illegible]Besitzbürgertum[illegible]Bildungsbürgertum[illegible]Kleinbürgertum[illegible]“[illegible]”[illegible]“[illegible]”“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]19[illegible]1858—1879[illegible]4/5[illegible]117[illegible]1880—1899[illegible]1/3[illegible]1900—1914[illegible]1895[illegible][8] 1895[illegible]“[illegible]”[illegible]Singer[illegible]Princess de Polignac[illegible]“[illegible]”[9] [illegible]1901—1920[illegible]159[illegible]

[illegible]66[illegible]34[illegible]20[illegible] [10]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible] [11] [illegible]“[illegible]”——[illegible]19[illegible]70[illegible]“[illegible]”[illegible]19[illegible]80[illegible]“[illegible]”[illegible]Lord Leverhulme[illegible]Lord Vestey[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]19[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1866—1886[illegible]1.2[illegible]1911[illegible]2[illegible]1881—1901[illegible]1.5[illegible]2.2[illegible]7 000[illegible]1.1[illegible] [12] [illegible]1892[illegible]“[illegible]” [13]

[illegible]“[illegible]”[illegible][14][illegible]“[illegible]”[illegible]Gambetta[illegible]——[illegible]“[illegible]”[illegible]“[illegible]”[illegible][15][illegible]“[illegible]”[illegible]——[illegible]——[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Prince Henckel von Donnersmarck[illegible]9/10[illegible]1 200[illegible]—1 500[illegible]

3

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]“[illegible]”[illegible]——[illegible]*Almanach de Gotha*[illegible]——[illegible]*Who’s Who*[illegible]1897[illegible]

[illegible]“[illegible]”[illegible]1890[illegible]77%[illegible]1885[illegible]Gymnasien[illegible]Realgymnasien[illegible]Ober-Realschulen[illegible]31[illegible]31%[illegible][16]

[illegible]19[illegible]1884[illegible]“[illegible]”——[illegible]“[illegible]”[illegible][17]

[illegible]16[illegible]18—19[illegible]

1875—1912 1875—1910 1910 12 19 3% 7.7 2%—— [18] 6 500 12 20 45 1% [19]

—19 70 7 000 80% 700 19 Unitarians · · —— —— 1900 [20] —— Rhine-Westphalian Steel Syndicate 28 —— ——

“ ” · Theodore Fontane *Der Stechlin* Brandenburg junker 1895

Salisbury

[illegible]Eton College[illegible]

[illegible]——[illegible]“[illegible]”[illegible][21]

[illegible]19[illegible]70[illegible]1913[illegible]19[illegible]80[illegible]

[illegible]“[illegible]”——[illegible]1895—1907[illegible][22]——[illegible][23][illegible]“[illegible]”[illegible]·[illegible]·[illegible]Gustav von Schmoller[illegible]1/4[illegible]“[illegible]”[illegible]1 250[illegible]3 500[illegible][24][illegible]“[illegible]”[illegible]30[illegible][25][illegible]“[illegible]”[illegible][26]

[illegible]1870[illegible]20[illegible]1902[illegible]1840[illegible]“[illegible]”[illegible]1870[illegible]9[illegible]20[illegible]10[illegible]64—160[illegible][27][illegible]

[illegible]Greek-letter Fraternity[illegible]——[illegible]

[illegible]“[illegible]”[illegible]19[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”（Ivy League）[illegible]

[illegible]19[illegible]70[illegible]“[illegible]”[illegible]——[illegible]——[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1889[illegible]“[illegible]”（Beta Theta Phi）[illegible]16[illegible]1912[illegible]110[illegible]“[illegible]”。[28]

[illegible]“Delta Kappa Epsilon”[illegible]1889[illegible]6[illegible]40[illegible]1[illegible]Cabat Lodge[illegible]·[illegible]1912[illegible]18[illegible]9[illegible]3[illegible]Peoria[illegible]“Delta Kappa Epsilon”[illegible]

[illegible]——[illegible]“[illegible]”[illegible]——[illegible]

4

[illegible]“[illegible]”（upper ten thousand）[illegible]“[illegible]10[illegible]”[illegible]“[illegible]”[illegible]York[illegible]29%[illegible]19[illegible]80[illegible]1914[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1900[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1871[illegible]10[illegible]5%[illegible]1910[illegible]21%[illegible]“[illegible]”[illegible]“[illegible]”[illegible][29]“[illegible]”[illegible]“[illegible]”[illegible]

“[illegible]”[illegible]20[illegible]300[illegible]4%[illegible]700[illegible]1000[illegible]10[illegible]

[illegible]“[illegible]”[30]

[illegible]19[illegible]25[illegible]“[illegible]”[illegible]sport[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1905[illegible]“[illegible]”[illegible][31]

[illegible]1914[illegible]50[illegible]——[illegible]“[illegible]”[illegible]1896[illegible]Olympic Games[illegible]

[illegible]“[illegible]”[illegible]1873[illegible]“[illegible]”[illegible]“[illegible]”[32][illegible]

[illegible]——[illegible]1889[illegible]1890—1895[illegible]29[illegible][33][illegible]1870[illegible]20[illegible]

[illegible]
[illegible]

5

[illegible]1914[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1911[illegible]“[illegible]”[illegible]——[illegible]British Inland Revenue[illegible]“[illegible]”[illegible]——[illegible]“[illegible]”[illegible]1890[illegible]4 000[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]*Principles of Economics* [illegible]500[illegible][34][illegible]——[illegible]——[illegible]1 000[illegible]Morris-wallpaper[illegible]1891[illegible]68[illegible]400[illegible][35][illegible]100[illegible]“[illegible]”[illegible]1896[illegible]5[illegible]19[illegible]1914[illegible]20[illegible]——[illegible]César Ritz[illegible]Ritz[illegible]

…Hotel Cecil…6…
…1909…1.5…
900…Lady Wimborne…
…Daimler…Darracq…Napier… [36]

1914…
…“…
…”…“…”…8
000…“…”…
…·…Joseph Duveen…
…

…·…
…Virginia Woolf…“…”…500…
…1 000…
…——…
…——…20…
…Rilke…Lukacs…·…Stefan
George…·…·…
…“…
…”…“…”…art-and-crafts
movement…“…”…
…19…——…
…Beecham’s Pills…·…Sir
Thomas Beecham…Delius…Bradford…
…Mozart…

6

[illegible]——[illegible]——[illegible]“[illegible]”[illegible]19[illegible]

[illegible]Jameses[illegible]Adamses[illegible]“[illegible]”。[37] [illegible]3.5[illegible]Skibo Castle[illegible]1937[illegible]

[illegible]“[illegible]”[illegible]1877[illegible]*Cherry Orchard* [illegible]Lopakhin[illegible]·[illegible]Savva Morozov[illegible]1917[illegible]20[illegible]“[illegible]”[illegible]1917[illegible]8[illegible]3[illegible]“[illegible]……[illegible]”。[38]

[illegible]“[illegible]”。[39] [illegible]2[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]19[illegible]19[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]20[illegible]·[illegible]Herbert Spencer[illegible]1820—1903[illegible]·[illegible]Ernest Renan[illegible]1820—1882[illegible]

[illegible]19[illegible]19[illegible]19[illegible]·[illegible]·[illegible]Heinrich[illegible]·[illegible]Marlene Dietrich[illegible]*Blue Angel*[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]19[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]20[illegible]

[illegible]——[illegible]4[illegible]“[illegible]”[illegible]“[illegible]”[illegible]19[illegible]19[illegible]60[illegible]

[illegible]20[illegible]19[illegible]60[illegible]19[illegible]80[illegible]1910[illegible]Bernard Shaw[illegible]1900[illegible][40][illegible]

[illegible]1914[illegible]——[illegible]·[illegible]Rupert Brooke[illegible]——[illegible]“[illegible]”[illegible]Marinetti[illegible]“[illegible]”[illegible]“[illegible]”[41][illegible]——[illegible]1914[illegible]“[illegible]”[illegible]

[illegible]——[illegible]——[illegible]

1908 *The Illusions of Progress* 1860

[illegible]
[illegible]

[illegible]Freud[illegible]

——[illegible]1907[illegible][1]

[illegible]14[illegible]……[illegible]

——[illegible]·[illegible]Grete Appen[illegible]1888[illegible][2]

[illegible]

——[illegible]·[illegible]Katherine Anthony[illegible]1915[illegible][3]

1

[illegible]——[illegible]——[illegible]20[illegible]30[illegible]18[illegible]19[illegible]“[illegible]”[illegible]“[illegible]”[illegible]20[illegible]20[illegible]“[illegible]”[illegible]

[illegible]19[illegible]

[illegible]19[illegible]

[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]19[illegible]90[illegible]2/3[illegible]“[illegible]”[illegible]3/4[illegible]87%[illegible]“[illegible]”[illegible]47.3%[illegible]25%[illegible][4] [illegible]18[illegible]60[illegible]95%[illegible]

[illegible]“[illegible]”[illegible]19[illegible]90[illegible]12%[illegible]“[illegible]”[illegible]40%[illegible]

[illegible]50[illegible]“[illegible]”[illegible]——[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]——[illegible]19[illegible]

[illegible]“[illegible]”[illegible]

[illegible]19[illegible]“[illegible]”[illegible]19[illegible]90[illegible]7%[illegible]19%[illegible]34%[illegible] [5] [illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]

[illegible]

[illegible]“[illegible]”[illegible]

[illegible]——[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]19[illegible]90[illegible]2%[illegible]1911[illegible]10%[illegible][6]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]19[illegible]80[illegible]19[illegible]90[illegible]10[illegible]34%[illegible]“[illegible]”[illegible]83%[illegible]“[illegible]”[illegible]18%[illegible]31%[illegible][7][illegible]“[illegible]”[illegible]19[illegible]1851—1891[illegible]110[illegible]200[illegible]

[illegible]19[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]2[illegible]19[illegible]“[illegible]”[illegible]

[illegible]1870[illegible]“[illegible]”[illegible]

[illegible]19[illegible]——[illegible]

[illegible]1882[illegible]3.2[illegible]1/5[illegible]1907[illegible]17.4[illegible]40%[illegible]1881[illegible]7 000[illegible]1911[illegible]7.6[illegible]“[illegible]”[illegible]6 000[illegible]14.6[illegible]——[illegible] [8] [illegible]1891[illegible]“[illegible]”[illegible] [9] [illegible]“[illegible]”[illegible]“[illegible]”[illegible]……[illegible]……[illegible]“[illegible]”[illegible] [10] [illegible]

[illegible]19[illegible]——[illegible]“[illegible]”[illegible]suffragists[illegible]“[illegible]”[illegible]suffragettes[illegible]——[illegible]

2

19 80 19 70

1883 Fabian Society 1/4

“ ”

…1914…

…330—340…1880…
…1913…138…3.3…1/3…
…1902…1904—1905…1913—1914…
…292…397…99…349…
…184…281…1907—
1908…1913—
1914…16… [11]

…7 500…
…1910…250…
…1900…
…1905…2 000…1911…9 300…1910…5.6…
…1890…1914…
…4 500—5 000…2 700…
…1860…1897…1900—1908…
…1908…103…
…Mannheim…
… [12]

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…“…”…
…1914…

…“…”…
19…80…1914…

[illegible]——[illegible]——[illegible]1910[illegible]“[illegible]”[illegible]——[illegible]——[illegible]

[illegible]

[illegible]1905[illegible]“[illegible]‘[illegible]’[illegible]……[illegible]‘[illegible]’[illegible]”[13][illegible]19[illegible]*Madame Bovary*[illegible]19[illegible]19[illegible]19[illegible]19[illegible]

[illegible]——[illegible]*Thus Spake Zarathustra*[illegible]1883[illegible][14]——[illegible][15][illegible]Möbius[illegible]“[illegible]”[illegible]“[illegible]”[illegible]19[illegible]

[illegible]Klimt[illegible]“[illegible]”[illegible]

[illegible]1908[illegible]“[illegible]”（Palace of Women’s Work[illegible]20[illegible]10[illegible]·[illegible]*Jane Eyre*[illegible]Nightingale[illegible]“[illegible]”（Fine Arts Palace[illegible]Women’s Industrial Council[illegible]1 000[illegible][16][illegible]Wimbledon[illegible]6[illegible]6[illegible]20[illegible]

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Woman and Socialism

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19 St. Bernadette of Lourdes St. Teresa of Lisíeux

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1905

19 90

50 2%—3% [18] 1905

1914

20 20 30% 20 30

40% [19] —19 90

20 10 10%

1913

10.5 9 1923 8.4 5 11 12.3 [20]

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[illegible]1891[illegible]*Men of the Time* [illegible]*Men and Women of the Time* [illegible]

[illegible]1895[illegible]“[illegible]”[illegible]48[illegible]42[illegible][21] [illegible]Collette[illegible]1873—1954[illegible]1914[illegible]·[illegible]Selma Lagerlöf[illegible]1909[illegible]1895[illegible]1/3[illegible]“[illegible]”[illegible]·[illegible]·[illegible]Vera Zasulich[illegible]·[illegible]Alexandra Kollontai[illegible]·[illegible]Anna Kuliscioff[illegible]·[illegible]Angelica Bala-banoff[illegible]·[illegible]Emma Goldman[illegible]·[illegible]·[illegible]——[illegible]Henrietta Roland-Holst[illegible]

[illegible]*Englishwoman’s YearBook* [illegible]1905[illegible]158[illegible]30[illegible]1/4[illegible][22] [illegible]·[illegible]·[illegible]Bertha von Suttner[illegible]1905[illegible]1881[illegible]20[illegible]1901[illegible]212[illegible]1911[illegible]447[illegible]1903[illegible]1911[illegible]1888[illegible]·[illegible]Annie Besant[illegible]·[illegible]Eleanor Marx[illegible]·[illegible]Enid Stacy[illegible]·[illegible]Katherine Conway[illegible]·[illegible]Caroline Martyn[illegible]

1906—1914

1905

1914

1906—1914 Women’s Social and Political Union “ ”

—— “ ”

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[illegible] 1877 [illegible] · [illegible] Margaret Sanger [illegible] · [illegible] Marie Stopes [illegible] Proust [illegible] · [illegible] Natalie Barney [illegible] Fourier [illegible] · [illegible] Edward Carpenter [illegible] · [illegible] Oscar Wilde [illegible] · [illegible] Havelock Ellis [illegible] · [illegible] Olive Schreiner [illegible] 19 [illegible] 80 [illegible] “[illegible]” [illegible] · [illegible] Otto Grosz [illegible] 1877—1920 [illegible] Heidelberg [illegible] Richthofen [illegible] —— [illegible] D. H. Lawrence [illegible] Ascona [illegible] 1914 [illegible]

[illegible] 1912 [illegible] *Ladies Home Journal* [illegible] · [illegible] Christine Frederick [illegible] “[illegible]” [illegible] 1880 [illegible] “[illegible]” [illegible] 1903 [illegible] 1909 [illegible]

[illegible]1880—1910[illegible]5[illegible] [23] [illegible]

[illegible]Westermarck[illegible]*History of Human Marriage*[illegible]1891[illegible]1921[illegible]*Origin of the Family ,Private Property and the State*[illegible]“[illegible]”[illegible] [24] [illegible]“[illegible]”[illegible]

[illegible]——[illegible]1911[illegible]133[illegible]·[illegible]·[illegible]Amalie Ryba Seidl[illegible]1876—1952[illegible]1895—1900[illegible] [25] [illegible]·[illegible]Bertha Philpotts Newall[illegible]1877—1932[illegible]Girton College[illegible]1925[illegible] [26] [illegible]——[illegible]·[illegible]——[illegible] [27]

[illegible]1914[illegible]50[illegible]·[illegible]Mary

Wollstonecraft[illegible]1914[illegible]1914[illegible]10[illegible]1914[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]——[illegible]——[illegible]——[illegible]

[illegible]1914[illegible]“[illegible]”[illegible]“[illegible]”[illegible]19[illegible]——[illegible]·[illegible]Coco Chanel[illegible]1883—1971[illegible]“[illegible]”[illegible]

[illegible]1918[illegible]Greenwich Village[illegible]Montmartre[illegible]Montparnasse[illegible]Chelsea[illegible]Schwabing[illegible]

[illegible]

[illegible]……[illegible]……[illegible]

——[illegible]·[illegible]Romain Rolland[illegible]1915[illegible] [1]

[illegible]……[illegible]——[illegible]

——[illegible]S. Laing[illegible]1885[illegible] [2]

[illegible]……[illegible]

——[illegible]1913[illegible] [3]

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[illegible]19[illegible]70[illegible]1914[illegible]“[illegible]”[illegible]“[illegible]”[illegible]16[illegible]19[illegible]100[illegible]*Laocoön*[illegible]*Apollo Belvedere*[illegible]*Dying Gladiator*[illegible]*Boy Removing a Thorn*[illegible]*Weeping Niobe*[illegible]*Venus de Milo*[illegible]1900[illegible]19[illegible]

[illegible]19[illegible]1914[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]20[illegible]18[illegible]19[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Mahler[illegible]·[illegible]Richard Strauss[illegible]Debussy[illegible]·[illegible]Vaughan Williams[illegible]Reger[illegible]Sibelius[illegible]Puccini[illegible]·[illegible]Mascagni[illegible]Leoncavallo[illegible]Janáĉek[illegible]——[illegible]1914[illegible]20[illegible]avant garde art[illegible]Caruso[illegible]Chaliapin[illegible]Melba[illegible]Nijinsky[illegible]“[illegible]”[illegible]Lehar[illegible]1870—1948[illegible]“[illegible]”[illegible]musical comedy[illegible]

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[illegible]——[illegible][5][illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]New English Arts Club[illegible]“[illegible]”[illegible]Secessions[illegible]19[illegible]70[illegible][6][illegible]——[illegible]19[illegible]90[illegible]——[illegible]·[illegible]George Gissing[illegible]“[illegible]”[illegible]150[illegible][7][illegible]

[illegible]19[illegible]60[illegible]20[illegible]10[illegible]“[illegible]”[illegible]Moreas[illegible]·[illegible]Stuart Merrill[illegible]·[illegible]——[illegible]Francis VieléGriffin[illegible]Ezra Pound[illegible]cole de Paris[illegible]Gris[illegible]Modigliani[illegible]Chagall[illegible]Lipchitz[illegible]Soutine[illegible]Brancusi[illegible]Pascin[illegible]Van Dongen[illegible]

[illegible]·[illegible]Radek[illegible]Rappoport[illegible]——[illegible]Dobrogeanu-Gherea[illegible]19[illegible]80[illegible]1914[illegible]19[illegible]80[illegible]

[illegible]19[illegible]80[illegible]19[illegible]90[illegible]“[illegible]”[illegible]Pushkin[illegible]·[illegible]Rubén Dario[illegible]1867—1916[illegible]1897[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]19[illegible]80[illegible]20[illegible]Jugendstil[illegible]Stile Liberty[illegible]Glasgow[illegible]

[illegible]17[illegible]19[illegible]Maeterlinck[illegible]Verhaeren[illegible]*Pelléas et Mélisande*[illegible]·[illegible]James Ensor[illegible]Horta[illegible]·[illegible]·[illegible]Van de Velde[illegible]“[illegible]”[illegible]·[illegible]Constantin Meunier[illegible]Gaudi[illegible]1860[illegible]1880[illegible]30[illegible]

[illegible]W. B. Yeats[illegible]·M·[illegible]John M. Synge[illegible]·[illegible]James Joyce[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]19[illegible]——[illegible]——[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible][8][illegible]Burgtheater[illegible]Tyrol[illegible]·[illegible]·[illegible]·[illegible]Walther von der Vogelweide[illegible]

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[illegible]19[illegible]“[illegible]”[illegible]fin de siècle[illegible]“[illegible]”[illegible]19[illegible]80[illegible]19[illegible]90[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Gervinus[illegible]1848[illegible][9][illegible]19[illegible]“1888[illegible]1788[illegible]”[illegible][10][illegible]

[illegible]“[illegible]”[illegible]

[illegible]1880[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]——[illegible]1875[illegible]Bizet[illegible]*Carmen*[illegible]20[illegible]10[illegible]*Cavalleria Rusticana*[illegible]1890[illegible]Charpentier[illegible]*Louise*[illegible]1900[illegible]·[illegible]1905[illegible]*Salome*[illegible]1880[illegible]Heals[illegible]Liberty[illegible]1881[illegible]Gilbert[illegible]Sullivan[illegible]*Patience*[illegible]

[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]*Neue Zeit*[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Jung-Wien[illegible]“[illegible]”[illegible]Plekhanov[illegible]“[illegible]”[illegible]“[illegible]”[illegible][11]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Hamsun[illegible]Strindberg[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]Munch[illegible]1889[illegible]·[illegible]Käthe Kollwitz[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Huysmans[illegible]·[illegible]·[illegible]Leconte de Lisle[illegible]Mallarmé[illegible]*La Révolte*[illegible]1894[illegible][12][illegible]20[illegible]“[illegible]”[illegible]

[illegible]Bauhaus[illegible]“[illegible]”[illegible]——[illegible]——[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——“[illegible]”[illegible]1900[illegible]·[illegible]Ebenezer Howard[illegible]1898[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]20[illegible]80[illegible]

[illegible]19[illegible]80[illegible]“[illegible]”[illegible]art nouveau[illegible]“[illegible]”[illegible]——[illegible]——[illegible]——[illegible]Berlage[illegible]“[illegible]”[illegible]——[illegible]Tiffany[illegible]Lalique[illegible]Wiener Werkstätte[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]19[illegible]90[illegible][13][illegible]“[illegible]”[illegible]1880—1895[illegible]“[illegible]”[illegible]constructivism[illegible]

1914[illegible]1912—1913[illegible]“[illegible]”[14] [illegible][15] 1890[illegible]

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[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]Vassily Kandinsky[illegible]1866—1944[illegible]1911[illegible]“[illegible]”[illegible][16] [illegible]“[illegible]”[illegible]“[illegible]”[illegible]5[illegible]Seurat[illegible]1859—1891[illegible]Cézanne[illegible]1839—1906[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]19[illegible]1880—1914[illegible]Statue of Liberty[illegible]1886[illegible]Victor Emmanuel Monument[illegible]1912[illegible]—1918[illegible]——[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]——[illegible]·[illegible]Walter Benjamin[illegible]

[illegible]19[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]

[illegible]——[illegible]——[illegible]·[illegible]Adolf Loos[illegible]1870—1933[illegible]“[illegible]”[illegible]Mackintosh[illegible]·[illegible]Auguste Perret[illegible]Behrens[illegible]Muthesius[illegible]“[illegible]”[illegible]1902[illegible]“[illegible]”[17][illegible]Le Corbusier[illegible]

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[illegible]21[illegible]“[illegible]”[illegible]19[illegible]

[illegible]1789—1848[illegible]“[illegible]”[illegible][18][illegible]“[illegible]”[illegible]

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[illegible]“[illegible]”[illegible]·[illegible]Max Raphael[illegible]“[illegible]”[illegible]expressionism[illegible][19] [illegible]20[illegible]19[illegible]Apollinaire[illegible]1880—1918[illegible]George,1868—1933[illegible]Blok[illegible]1880—1921[illegible]

[illegible]19[illegible]——[illegible]——[illegible]“[illegible]”——[illegible]19[illegible]20[illegible]1900—1910[illegible]1907[illegible]1914[illegible]1918[illegible]“[illegible]”[illegible]·[illegible]1909[illegible]*Elektra* [illegible]*Rosenkavalier* [illegible]1911[illegible]

[illegible]“[illegible]”[illegible]·[illegible]Walter Rathenau[illegible]Kahn-weiler[illegible]——[illegible]“[illegible]”[illegible]1918[illegible]

[illegible]1914[illegible]

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[illegible]1914[illegible]20[illegible]20[illegible]

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19 80 20 —— Charlie Chaplin 1889—1977

—— 19 canzone 1914 flamenco 19 80 —— 1914 demi-monde “ ”

—— “ ” *Journal des Débats* *Neue Freie Presse* —— ——

[illegible] [20] [illegible]19[illegible]90[illegible]100[illegible]

[illegible]20[illegible]20[illegible]4[illegible]

[illegible]1890[illegible]1895—1896[illegible] [21] [illegible]12[illegible]2 600[illegible]20%[illegible]8 000[illegible]1[illegible] [22] [illegible]500[illegible]40[illegible] [23] [illegible]1914[illegible]5 000[illegible] [24] [illegible]1912[illegible]·[illegible]Carl Laemmle[illegible]·[illegible]Mary Pickford[illegible]

[illegible]·[illegible]Charles Pathé[illegible]1863—1957[illegible]Universal Films[illegible]Metro-Goldwyn-Mayer[illegible]Louis B. Mayer[illegible]Fox Films[illegible]William Fox[illegible]1905[illegible]1913[illegible]*The Nation*[illegible]5[illegible]

[illegible][25][illegible]

[illegible]20[illegible]20[illegible]

[illegible]1914[illegible]1914[illegible]

[illegible]“[illegible]”[illegible]75%[illegible]“[illegible]”[illegible]1/3[illegible]Dumas[illegible]Daudet[illegible]Hugo[illegible]·[illegible]Sarah Bernhardt[illegible]1905—1909[illegible]D. W. Griffith[illegible]

[illegible]“[illegible]”——[illegible]*Vita Cinematografica*[illegible]1914[illegible][26][illegible]20[illegible]20[illegible]UFA Films[illegible]1/3[illegible]

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[illegible]20[illegible]30[illegible]B[illegible]20[illegible]

[illegible]20[illegible]1914[illegible]1913[illegible][27][illegible]1914[illegible]

[illegible]20[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]——[illegible]“[illegible]”[illegible]1914[illegible]20[illegible]

1914[illegible]·[illegible]·[illegible]Erich Wolfgang Korngold[illegible]19[illegible]

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——[illegible]1885[illegible] [1]

[illegible]50[illegible]

——[illegible]·[illegible]Raymond Pearl[illegible]1913[illegible] [2]

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——[illegible]·[illegible]Bertrand Russell[illegible]1914[illegible] [3]

[illegible]19[illegible]——[illegible]Lord Kelvin[illegible]19[illegible]“[illegible]”[illegible]——[illegible]Planck[illegible]——[illegible]1870[illegible]

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[illegible]19[illegible]——[illegible]Georg Cantor[illegible]“[illegible]”[illegible][4][illegible]Bourbaki[illegible]“[illegible]”[illegible][5][illegible]19[illegible]“[illegible]”[illegible]tangent[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Hilbert[illegible]“[illegible]”[illegible]

[illegible][6][illegible]

[illegible]20[illegible]“[illegible]”[illegible]G. H. Hardy[illegible]——[illegible]Hardy-Weinberg law[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Henri Poincaré[illegible]1854—1912[illegible]L. E. J. Brouwer[illegible]

1882—1966□□□“□□□”□intutionism□□□□□□□□□□□□□□□□□□□□□□
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[illegible]Faraday[illegible]“[illegible]”[illegible]matter[illegible]“[illegible]”[illegible]field[illegible]H. A. Lorentz[illegible]1853—1928[illegible]17[illegible]——[illegible]A. A. Michelson[illegible]1852—1931[illegible]E. W. Morley[illegible]1838—1923[illegible]——[illegible]1887[illegible]1920[illegible]

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[illegible]19[illegible]——[illegible]1883[illegible]X[illegible]Röntgen[illegible]1895[illegible]Becquerel[illegible]1896[illegible]1895—1905[illegible]10[illegible]

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[illegible]1906[illegible]Wassermann[illegible][15][illegible]1873—1914[illegible]19[illegible]80—90[illegible]1897[illegible]19[illegible]90[illegible]1882[illegible]19[illegible]90[illegible][16][illegible]Kaiser-Wilhelm-Gesellschaft[illegible]·[illegible]MaxPlanck-Gesellschaft[illegible]1911[illegible]Bell[illegible]

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[illegible]A. Pannekoek[illegible]1873—1960[illegible]“[illegible]”[illegible]

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Analysis *The Study of Sociology* *General Physiology of Muscles and Nerves* *Money and the Mechanism of Exchange* [18]

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[illegible]·[illegible]Magnus Hirschfeld[illegible]1868—1935[illegible]1897[illegible]*Studies in the Psychology of Sex*[illegible]*Jahrbuch für sexuelle Zwischenstufen* [illegible]——[illegible]

[illegible]Le Bon[illegible]1841—1931[illegible]Tarde[illegible]1843—1904[illegible]Trotter[illegible]1872—1939[illegible]“[illegible]”[illegible]1909[illegible]

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1915[illegible]Kurds[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]Ziya Gökalp[illegible]1876—1924[illegible]1918[illegible]“[illegible]”[illegible]

[illegible]Kemal Atatürk[illegible]“[illegible]”[illegible]1914[illegible]——[illegible]——[illegible]1917[illegible]

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[illegible]1907[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Land League[illegible]19[illegible]90[illegible]1910[illegible]1916[illegible]

[illegible]Easter Rising[illegible]

[illegible]1882[illegible]Arabi Pasha[illegible]khediev[illegible]Lord Cromer[illegible]Wafd[illegible]1952[illegible]1922[illegible]1921—1922[illegible]

[illegible]3[illegible]*A Passage to India*[illegible]Indian National Congress[illegible]1885[illegible]·[illegible]·[illegible]Allan Octavian Hume[illegible]20[illegible]Bal Ganghadar Tilak[illegible]1856—1920[illegible]

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Roy（1887—1954 [illegible] [8] [illegible]

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[illegible]Azerbaijan[illegible]19[illegible]80[illegible]“[illegible]”[illegible]

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[illegible]1881[illegible]20[illegible]10[illegible]“[illegible]”[illegible]Social Revolutionary Party[illegible]Azev[illegible]1869—1918[illegible]

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1991

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Michael Stürmer

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[illegible]1927—1928[illegible]——[illegible]“[illegible]”[illegible]Räte-China[illegible]1973[illegible]pp.45—46[illegible]Milovan Djilas[illegible]

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[6] [illegible]1924[illegible]Tasritsyn[illegible]Volgograd[illegible]

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□1929—1933□□□□□□□□□□□□□□□□□□□□
□□□□□□□□□□□□□1913—1938□□□□□□□□
□□□8%□□□□□□□□1913□□25□□□□□80%□□

[illegible]W.W.Rostow[illegible]1978[illegible]p.662[illegible]
[illegible]1945[illegible]

[illegible]1914[illegible]15[illegible]1500[illegible]15[illegible]550[illegible]30[illegible]75[illegible]Historical Statistics I[illegible]p.105[illegible]Table C89—101[illegible]1911—1920[illegible]10[illegible]175[illegible]30[illegible]25[illegible]20[illegible]1913[illegible]1948[illegible]W.W.Rostow[illegible]1978[illegible]p.669[illegible]19[illegible]90[illegible]1913[illegible]1948—1971[illegible]5[illegible]1927—1933[illegible]90%[illegible]

[illegible]

[illegible]1914[illegible]1920[illegible]——[illegible]12[illegible]10%[illegible]

[illegible]—[illegible]1922—1926[illegible]1989[illegible]

[illegible]1923[illegible]1913[illegible]

[illegible][2][illegible]

[illegible]1922—1923[illegible][3][illegible]——“[illegible]”（indexation[illegible]1960[illegible]

[illegible]1924[illegible]“[illegible]”[illegible]20[illegible]1914[illegible]20[illegible]1924—1929[illegible]10%—12%[illegible]17%—18%[illegible]4%[illegible]1928[illegible]20[illegible]30[illegible]Arndt，p.47；Kindleberger，1986[illegible]1929[illegible]

[illegible]·[illegible]Sinclair Lewis[illegible]*Babbitt*[illegible]——[illegible]——[illegible]1929[illegible]10[illegible]29[illegible]

[illegible]Ohlin[illegible]1931[illegible]1929—1931[illegible]1929—1933[illegible]76%[illegible]Schatz[illegible]1983[illegible]p.60[illegible]1931[illegible]

[illegible]15[illegible]3[illegible]——[illegible]90%[illegible]——[illegible]——[illegible]Latham[illegible]1981[illegible]p.178[illegible]

[illegible]20[illegible]80[illegible]

[illegible]98%[illegible]Ohlin[illegible]1931[illegible]p.52[illegible]

[illegible]1932—1933[illegible]22%—23%[illegible]24%[illegible]27%[illegible]29%[illegible]31%[illegible]32%[illegible]44%[illegible]1933[illegible]30[illegible]16%—17%[illegible]20%[illegible]1933—1938[illegible]

[illegible] 20[illegible] 60%—[illegible] 1920[illegible] 40%[illegible] Flora[illegible] 1983[illegible] p.461[illegible]

[illegible] “[illegible]” [illegible] 85%[illegible] Weber[illegible] I[illegible] p.243[illegible]

[illegible] “[illegible]” [illegible] Arndt[illegible] 1944[illegible] p.250.[illegible]

[illegible] ——[illegible] —— [illegible] 4[illegible] 60%[illegible] 1929—1933[illegible] 1931—1939[illegible] 510[illegible] 60%[illegible] “[illegible]” [illegible] most favorable nation status[illegible] Snyder[illegible] 1940[illegible] [4] [illegible]

[illegible]

[illegible]1931—1932[illegible]
[illegible]1936[illegible]
[illegible][5][illegible]1931[illegible]
[illegible]“[illegible]”[illegible]1840[illegible]
[illegible]
[illegible]
[illegible]——[illegible]
[illegible]

[illegible]
[illegible]
[illegible]1933[illegible]70[illegible]80[illegible]“[illegible]
[illegible]”[illegible]Common Agricultural Policy[illegible]
[illegible]

[illegible]“[illegible]”[illegible]
[illegible]1883—
1946[illegible]
[illegible]
[illegible]——[illegible]——[illegible]
[illegible]
[illegible]80[illegible]
[illegible]

[illegible]1935[illegible]
[illegible]Social Security Act[illegible]
——[illegible]——[illegible]
[illegible]“[illegible]’[illegible]
[illegible]40[illegible]

[illegible]——[illegible]
[illegible]
[illegible]1929[illegible]1940
[illegible]3[illegible]1938[illegible]1929[illegible]5%
[illegible]18%[illegible]59%[illegible]52%[illegible]
[illegible]1930—1935[illegible]
[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Sir Arthur Salter[illegible]*Recovery*[illegible]“[illegible]”[illegible]Political and Economic Planning[illegible]PEP[illegible]Harold Macmillan[illegible]1894—1986[illegible]1933[illegible]“[illegible]”[illegible]1933[illegible]

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[illegible]1913[illegible]1929[illegible]42%[illegible]28%[illegible]Hilgerdt[illegible]1945[illegible]Table I.14.[illegible]1913—1920[illegible]Rostow[illegible]1978[illegible]p.194[illegible]Table III.33.[illegible]

[illegible]

[illegible]20[illegible]15[illegible]40%[illegible]Lary[illegible]pp.28—29[illegible]1929—1932[illegible]

[illegible]70%[illegible]1929[illegible]1939[illegible]

[illegible]1919[illegible]“[illegible]”[illegible]war-guilt[illegible]“[illegible]”[illegible]——[illegible]——[illegible]1921[illegible]1320[illegible]330[illegible]

“[illegible]”[illegible]1929[illegible]1.5[illegible]Hill[illegible]1988[illegible]pp.15—16[illegible]1924[illegible]“[illegible]”[illegible]Dawes Plan[illegible]1929[illegible]“[illegible]”[illegible]Young Plan[illegible]Basel[illegible]Bank of International Settlements[illegible]1932[illegible]

[illegible]*The Economic Consequences of the Peace*[illegible]“[illegible]”[illegible]1923[illegible]1924[illegible]20[illegible]1929[illegible]

[illegible]1931—1933[illegible]

[illegible]

[illegible]1914[illegible]——[illegible]1945[illegible]Kindleberger[illegible]1973[illegible]

[illegible]20[illegible]*Historical Statistics of the USA* [illegible]I[illegible]p.164[illegible]Table D722—727[illegible]·[illegible]Henry Ford[illegible]

[illegible]80[illegible] [6] [illegible]1939[illegible]1000[illegible]Miles et al.[illegible]1991[illegible]p.108[illegible] [7] [illegible]65[illegible]14[illegible]Ziebura[illegible]p.49[illegible]

[illegible]

[illegible]1929—1931[illegible]“[illegible]”[illegible]Rostow[illegible]1987[illegible]p.219.[illegible]

[illegible]1932[illegible]30[illegible]——[illegible]——[illegible]1938[illegible]1929[illegible]“[illegible]”[illegible]New Deal[illegible]——[illegible]——[illegible]1937—1938[illegible]1929[illegible]1929[illegible]1938[illegible]1920[illegible]*Historical Statistics* [illegible]II[illegible]p.716[illegible]90[illegible]Joseph A.Schumpeter[illegible]“[illegible]”[illegible]Schumpeter[illegible]1954[illegible]p.1172.[illegible]1973—1991[illegible]70[illegible]80[illegible]

[illegible]30[illegible]——[illegible]media[illegible]——[illegible]—[illegible]Stouffer/Lazarsfeld[illegible]pp.55[illegible]92[illegible]

[illegible] 19 [illegible] 19 [illegible] 1933 [illegible] —— [illegible] 40 [illegible] —— [illegible] 80 [illegible] 90 [illegible]

[illegible] “[illegible]” [illegible] “[illegible]” [illegible] Leontiev [illegible] 1977 [illegible] p.78 [illegible] 19 [illegible] 1917 [illegible] —— [illegible] —— [illegible] Somary [illegible] 1929 [illegible] pp.174 [illegible] 193 [illegible] 30 [illegible] Staley [illegible] 1939 [illegible] p.231 [illegible]

[illegible] 1928—1932 [illegible] 1930—1931 [illegible] 12 [illegible] 10 [illegible] 30 [illegible]

[illegible]1932[illegible]Bourbon[illegible]1931[illegible]1931[illegible]1933[illegible]1931[illegible]

[illegible]“[illegible]”[illegible][8][illegible]1934[illegible]KPD[illegible]1934[illegible]“[illegible]”（March on Rome）[illegible]10[illegible]（Spriano，1969，p.397）[illegible]

[illegible]1931[illegible]19[illegible]1920[illegible]1913[illegible]

[illegible]1933—1945[illegible]（Lázaro Cardenas，[illegible]1934—1940[illegible]“[illegible]”（Social Credit Party）[illegible]（New Democratic Party）[illegible]“[illegible]”（Cooperative Commonwealth Federation）[illegible]30[illegible]

[illegible]

[illegible]Uriburu[illegible]1930—1932[illegible]
[illegible]
[illegible]Pinochet[illegible]
[illegible]Carlos Ibañez[illegible]1927—1931[illegible]1932[illegible]
[illegible]Marmaduke Grove[illegible]“[illegible]
”[illegible]Socialist Republic[illegible]
[illegible]40[illegible]“[illegible]”[illegible]1889—1930[illegible]
[illegible]Getulio Vargas[illegible]
[illegible]20[illegible]
[illegible]“[illegible]”——[illegible]
——[illegible]1930—1932[illegible][9][illegible]30[illegible]
[illegible]

[illegible]Holland[illegible]1985[illegible]
p.13[illegible]

[illegible]“[illegible]
[illegible]”[illegible]Moslem Brotherhood[illegible]1928[illegible]
[illegible]1931[illegible]De Valera[illegible]
[illegible]1932[illegible]
[illegible]

[illegible]19[illegible]
1929—1932[illegible]1913[illegible]
[illegible]1938[illegible]

[illegible]American Economic Association[illegible]
1932[illegible]Gunnar Myrdal[illegible]1929—1931[illegible]*General Theory of Employment*[illegible]*Interest and Money*[illegible]1936[illegible]30[illegible]——[illegible]——[illegible][10]

[illegible]19[illegible]80[illegible]19[illegible]

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[1] [illegible]——[illegible]——[illegible]

[2] [illegible]19[illegible]19[illegible]19[illegible]“[illegible]”[illegible]“[illegible]”[illegible]hyper-infiation[illegible]

[3] [illegible]

[4] [illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[5] [illegible]

[6] 20[illegible]20[illegible]Emile Coué[illegible]“[illegible]”

[7] [illegible]

[8] [illegible]1933[illegible]P.Togliatti[illegible]1934[illegible]

[9] [illegible]

[10] [illegible]1925[illegible]1939[illegible]9[illegible]26[illegible]39[illegible]50[illegible]93[illegible]

[illegible]

[illegible]5000[illegible]——[illegible]Auschwitz[illegible]

——[illegible]Ian Kershaw[illegible]pp.3—4[illegible]

[illegible]……[illegible]……[illegible]

——[illegible]Pavone[illegible]1991[illegible]p.431[illegible]

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[illegible]19[illegible]20[illegible]“[illegible]”[illegible]“[illegible]”[illegible]19[illegible]19[illegible]1914[illegible]——[illegible]——[illegible]1914[illegible]“[illegible]”[illegible]May Day[illegible]

“ ”

1914—1918 1920 65 1919—1947 5 5 Nepal Saudi Arabia Yemen 5 Afghanistan Guatemala Paraguay —— —— 1930 6 3

“ ” 20

1918—1920 20 6 30 9 5 Irish Free State

Costa Rica “ ” —— Uruguay 1930—1931 20

1933 1920 35

[illegible]1938[illegible]17[illegible]1944[illegible]64[illegible]12[illegible]

[illegible]1945—1989[illegible]“[illegible]”[illegible]totalitarianism[illegible]1945[illegible]1922[illegible]USSR[illegible]20[illegible][1][illegible]“[illegible]”[illegible]

[illegible]30[illegible]“[illegible]……[illegible]”[illegible]Linz[illegible]1975[illegible]p.206.[illegible]

[illegible]1917—1920[illegible]1919[illegible]Horthy[illegible]18[illegible]

[illegible]Mannerheim[illegible]Pilsudski[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]organic statism[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Linz[illegible]1975[illegible]pp.277[illegible]306—313[illegible]“[illegible]”[illegible]“[illegible]”[illegible]corporatism[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Bethlen[illegible]“[illegible]”[illegible]Ranki[illegible]1971[illegible]Oliveira Salazar[illegible]1927—1974[illegible]1934—1938[illegible]

[illegible]1870[illegible]Vatican Council[illegible]“[illegible]”[illegible]corporate state[illegible]“[illegible]”[illegible]clerical fascist[illegible]integrist Catholicism[illegible]Leon Degrelle[illegible]Rexist[illegible]

[illegible] 18 [illegible] “[illegible]”[illegible]

[illegible] 1891 [illegible] “[illegible] ”[illegible] [2] [illegible] Benedict XV [illegible] 1914—1922 [illegible] Popular Party [illegible] 30 [illegible]

2

[illegible] Benito [illegible] · [illegible] Benito Juárez [illegible] Romagna [illegible] 1938 [illegible] [3] [illegible]

[illegible]“[illegible]”[illegible]Zionist Revisionism[illegible]Vladimir Jabotinsky[illegible]70[illegible]Menachem Begin[illegible]

1933[illegible]Arrow Cross[illegible]1939[illegible]25%[illegible]Iron Guard[illegible]Ante Pavelich[illegible]Ustashi[illegible]Ustasa[illegible]30[illegible]1940[illegible]“[illegible]”[illegible]Delzell[illegible]1970[illegible]p.348[illegible]

1933[illegible]Giovanni Gentile[illegible]Heidegger[illegible]“[illegible]”[illegible]Volksgemeinschaft[illegible]or People’s Community[illegible]

[illegible]“[illegible]”[illegible]

[illegible]——[illegible]Nuremberg[illegible]Piazza Venezia[illegible]——[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]National Socialist Workers Party[illegible]1933[illegible]“[illegible]”[illegible]

[illegible]Navarra[illegible]Carlist[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]——[illegible]

[illegible]“[illegible]”[illegible]16[illegible]Suffolk[illegible]19[illegible]post-Darwinism[illegible]Eugenics[illegible]19[illegible]1898[illegible]“[illegible]”[illegible]Nordic[illegible]18[illegible]20[illegible]

[illegible]19[illegible]100[illegible]15[illegible]50[illegible]19[illegible]20[illegible]Max Weber[illegible]“[illegible]”[illegible]Pangerman League[illegible]

[illegible]anti-semitism[illegible]19[illegible]25[illegible]“[illegible]”[illegible]

[illegible]19[illegible]Bloomsbury Group[illegible]Pogrom[illegible]1881[illegible]

[illegible]
[illegible]“[illegible]”[illegible]“[illegible]
[illegible]”[illegible]
[illegible]German Reich[illegible]
[illegible]1938[illegible]
[illegible]
[illegible]1938[illegible]11[illegible]Kershaw[illegible]1983[illegible]19[illegible]
[illegible]
[illegible]1881[illegible]1903[illegible]Kishinev[illegible]
[illegible]——[illegible]——[illegible]
[illegible]20[illegible]
[illegible]1905[illegible]
[illegible]——[illegible]800[illegible]1941[illegible]
3[illegible]Vilnius[illegible]3800[illegible]
[illegible]

[illegible]
[illegible]19[illegible]90[illegible]“[illegible]
[illegible]”[illegible]Nationalism[illegible]
[illegible]

[illegible]“[illegible]”[illegible]
[illegible]
[illegible]20[illegible]
[illegible]
[illegible]20[illegible]60[illegible]
[illegible]

[illegible]1930—1980[illegible]“[illegible]
[illegible]”[illegible]Childers[illegible]1983[illegible]Childers[illegible]1991[illegible]pp.8[illegible]
14—15[illegible]

[illegible]1932[illegible]18%[illegible]56%[illegible]16%[illegible]5[illegible]16%[illegible]51%[illegible]10%[illegible]Larsen et al[illegible]1978[illegible]pp.766—767[illegible]

[illegible]1934[illegible]

[illegible]1921[illegible]“[illegible]”[illegible]13%[illegible]1930[illegible]5%—10%[illegible]Kater[illegible]1985[illegible]p.467[illegible]Noelle[illegible]Neumann[illegible]1967[illegible]p.196[illegible]Field Marshal Hindenburg[illegible]20[illegible]60[illegible]60[illegible]42%[illegible]1914[illegible]32%[illegible]Wirtschaftswunder[illegible]Noelle[illegible]Neumann[illegible]1967[illegible]p.196[illegible]1930—1932[illegible]

[illegible]20[illegible]1930[illegible]·[illegible]John Buchan[illegible]“[illegible]10[illegible]”（Graves，Hodge，1941，p.248.[illegible]Falange[illegible]1789[illegible]1917[illegible]“[illegible]”（Blue Division[illegible]（Pétain[illegible]（Dreyfus[illegible]1894[illegible]——[illegible]——[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1933[illegible]——[illegible]——[illegible]“[illegible]”[illegible]Oswald Mosley[illegible]Lord Rothermere[illegible]*Daily Mail*[illegible]British Union of Facists[illegible]

[illegible]——[illegible]19[illegible]1914[illegible]80[illegible]Nolte[illegible]1987[illegible]

[illegible]“[illegible]”[illegible]1918[illegible]11[illegible]“[illegible]”[illegible]front-line soldier[illegible]*frontsoldat*[illegible]*Squadristi*[illegible]*Freikorps*[illegible]1919[illegible]·[illegible]57%[illegible]

[illegible]1914—1918[illegible]——[illegible]——[illegible]“[illegible]”[illegible]Rambo[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1889[illegible]8[illegible]

[illegible]

[illegible]“[illegible]”[illegible]Matteotti[illegible]1936[illegible]——[illegible]——[illegible]

[illegible]1914[illegible]——[illegible]

[illegible]1940[illegible]——[illegible]Action Francaise[illegible]La Rocque[illegible]Fiery Cross[illegible]——[illegible]

[illegible]——[illegible]——[illegible]1944[illegible]1933[illegible]

[illegible]1918—1920[illegible]1920—1922[illegible]1932—1933[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]1933—1934[illegible]1922—1928[illegible]“[illegible]”[illegible]Duce[illegible]Führer[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]20[illegible]Himmler[illegible]

[illegible]1944[illegible]7[illegible]Weimar Republic[illegible]1918—1933[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Volkswagen[illegible]beetle[illegible]30[illegible]“[illegible]”[illegible]

1918 … 19 … Sicilian Mafia … Neapolitan Camorra … “…”（Modernism）… 1938 …

“…” … “… …” … 30 …

“…” … 1929—1941 … 5% … 20% … 15%（Kuznets，1956）… ——…

… 20 … 1917 …

[illegible]1920[illegible]Kapp Putsch[illegible]1923[illegible]——[illegible]1924[illegible]1928[illegible]2.5%—3%[illegible]——[illegible]German Democratic Party[illegible]18%[illegible]4[illegible]1932[illegible]37%[illegible]

[illegible]20[illegible]30[illegible]20[illegible]“[illegible]”——[illegible]10[illegible]——[illegible]——[illegible]——[illegible]

[illegible]“[illegible]”[illegible]30[illegible]

[illegible]Mufti[illegible]“[illegible]”[illegible]Aryans[illegible]Hindu[illegible]Sri Lanka[illegible]Sinhalese[illegible]1948[illegible]——[illegible]

[illegible]

[illegible]SS[illegible]‘Meine Ehre ist Treue’[illegible]“[illegible]”[illegible]Volkisch[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Frank Ryan[illegible]International Brigade[illegible]

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[illegible]——[illegible]——[illegible]K[illegible]——[illegible]（Coughlin[illegible]——[illegible]30[illegible]10[illegible]·[illegible]（Huey Long[illegible]"[illegible]"（Every Man a King）[illegible]

[illegible]（Jorge Eliezer Gaitán，1898—1948）[illegible]（Juan Domingo Persón，1895—1974）[illegible]1937—1945[illegible]"[illegible]"（Estado Novo，New State）[illegible]——[illegible]1943[illegible]——[illegible]

[illegible]（Rio Grande）[illegible]1914[illegible]19[illegible]1898[illegible]1910[illegible]20[illegible]·[illegible]（Victor Raul Haya de la Torre）[illegible]"[illegible]"[illegible]·[illegible]1927[illegible]80[illegible]30[illegible]

[illegible]“[illegible]”[illegible]
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[illegible]1952[illegible]Liberal Party[illegible]1948[illegible]4[illegible]9[illegible]Bogota[illegible]——[illegible]1945[illegible]1954[illegible]

[illegible]30[illegible]

[illegible]1934—1938[illegible]

[illegible]Goebbels[illegible]“[illegible]”[illegible]European order[illegible]Charlemagne[illegible]“[illegible]”[illegible]

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1945[illegible]1918[illegible]1930—1934[illegible]1945[illegible]——[illegible]——[illegible]Seton Watson[illegible]1962[illegible]p.184[illegible]30[illegible]70[illegible]

[illegible]1932[illegible]

[illegible]——[illegible]“[illegible]”[illegible][4][illegible]——[illegible]——[illegible]

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[illegible]the people[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]1918[illegible]Glenny[illegible]1993[illegible]pp.146—148[illegible]20[illegible]3[illegible]Ulster[illegible]Somalia[illegible]62[illegible]62[illegible]——[illegible]“[illegible]”[illegible]——[illegible]——[illegible]

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[illegible][6][illegible][7][illegible]

[illegible]“[illegible]”[illegible]Sinclair Lewis[illegible]1935.[illegible]20[illegible]90[illegible]——[illegible]50[illegible]90[illegible]

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[1] 1940[illegible]

[2] [illegible]“[illegible]”[illegible]Rerum Novarum[illegible]40[illegible]“40[illegible]”[illegible]Quadragesimo Anno[illegible]“[illegible]”[illegible]1991[illegible]“[illegible]”[illegible]Centesimus Annus[illegible]

[3] [illegible]——[illegible]——[illegible]Steinberg[illegible]1990[illegible]Hughes[illegible]1983.[illegible]

[4] [illegible]1931[illegible]1940[illegible]5[illegible]

[5] [illegible]80[illegible]19[illegible]

[6] [illegible]——[illegible]——[illegible]

[7] [illegible]“[illegible]”[illegible]——[illegible]Liberal Party[illegible]10%[illegible]

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[illegible]W.H.Auden[illegible]*Spain*[illegible]1937[illegible]

[illegible]

[illegible]……[illegible]23[illegible]

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——1944[illegible]Misak Manouchian[illegible]22[illegible]Lettere[illegible]p.306[illegible]

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[illegible]20[illegible]30[illegible]1936[illegible]George Gallup[illegible]1939[illegible]1[illegible]“[illegible]”[illegible]83%[illegible]

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[illegible]“[illegible]”（Cambridge spies）[illegible][1][illegible]（Richard Sorge），1933—1941[illegible]“[illegible]”（quisling）[illegible]——[illegible]——[illegible]

[illegible]“[illegible]”（civil）[illegible]1940[illegible]6[illegible]14[illegible]16[illegible]18[illegible]“[illegible]”[illegible]1945[illegible][2]

[illegible]1931—1941[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1931[illegible]“[illegible]”（fascism means war）。1931[illegible]1932[illegible]1933[illegible]1934[illegible]1935[illegible]（Saar）[illegible]1936—1937[illegible]“[illegible]”[illegible]1936[illegible]——[illegible]“[illegible]—[illegible]”[illegible]“[illegible]”（Anti-Comintern Pact）。1937[illegible]

[illegible]1945[illegible]1938[illegible]3[illegible]10[illegible]“[illegible]”[illegible]1939[illegible]3[illegible]1939—1941[illegible]

[illegible]1938[illegible]“[illegible]”[illegible]Daladier[illegible]“[illegible]”[illegible]1939[illegible]

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[illegible]8[illegible]——[illegible]1931[illegible]10[illegible]——[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Enlightenment Left[illegible]——[illegible]18[illegible]180[illegible]

[illegible]

[illegible]Georgi Dimitrov[illegible]1933[illegible][3][illegible]“[illegible]”[illegible]United Front[illegible]“[illegible]”[illegible]Popular Front[illegible]“[illegible]”[illegible]National Front[illegible]——[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]“[illegible]”[illegible]1936[illegible]2[illegible]5[illegible]

[illegible]Léon Blum[illegible]1872—1950[illegible]1932[illegible]1%[illegible]1931[illegible]——[illegible]50[illegible]——4[illegible]1929[illegible]1931—1935[illegible]61%[illegible]54%[illegible]1937[illegible]1939[illegible]1940[illegible]30[illegible]1932[illegible]1500—1600[illegible]2800[illegible]4[illegible]1936[illegible]1932[illegible]

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“ ” *Mein Kampf* ——

Dachau Buchenwald

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Maxim Litvinov 1876—1952 “

” Collective Security

1933

1945

30 Andrew 1985 p.530

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[illegible]1938—1939[illegible]1934[illegible]1939[illegible]8[illegible]1933—1938[illegible]

[illegible]——[illegible]1917[illegible]

[illegible]“[illegible]”[illegible]——[illegible]——[illegible]

[illegible]——[illegible]——[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]20[illegible]30[illegible]1940[illegible]“[illegible]

[illegible]”[illegible]“[illegible]”[illegible]Calvocoressi[illegible]1987[illegible]p.63[illegible]

[illegible]1918[illegible]1914[illegible]1931[illegible]George Lansbury[illegible]1935[illegible]1936—1938[illegible]

[illegible]“[illegible]”[illegible]——[illegible]——[illegible]

[illegible]——[illegible]Maginot Line[illegible]——[illegible]Verdun[illegible]1933[illegible]

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[illegible]“[illegible]”[illegible]1939[illegible]“[illegible]”[illegible]1938[illegible]

[illegible]——[illegible]——[illegible]30[illegible]——[illegible]“[illegible]”[illegible]1914[illegible]——[illegible]——[illegible]

[illegible]1938—1939[illegible]1939[illegible]3[illegible]9[illegible]——[illegible]1940[illegible]——[illegible]——[illegible]Watt[illegible]1989[illegible]p.215[illegible]

[illegible]
1939[illegible]3[illegible]“[illegible]”[illegible]phony
war[illegible]

[illegible]——[illegible]1939[illegible]——[illegible]
1940[illegible]6[illegible]“[illegible]——[illegible]——[illegible]”[illegible]Thierry Maulnier[illegible]1938in Ory[illegible]1976[illegible]p.24.[illegible]
30[illegible]1940[illegible]——[illegible]——[illegible]

20[illegible]30[illegible]——[illegible]——[illegible]1936—1939[illegible]

[illegible]Pyrenees[illegible]19[illegible]16[illegible]——[illegible][4][illegible]30[illegible]

[illegible]30[illegible]·[illegible][5]

1931[illegible]19[illegible]1933[illegible]1934[illegible]Asturian[illegible]“[illegible]”[illegible]——[illegible]1936[illegible]2[illegible]Cortes[illegible]

[illegible]

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[illegible]1936[illegible]7[illegible]17[illegible]Spanish Traditionalist Falange[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Non-Intervention Agreement[illegible]“[illegible]”[illegible]Thomas[illegible]1977[illegible]p.395[illegible]1936[illegible]9[illegible]——[illegible]——[illegible]

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[illegible]

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[illegible]10[illegible]——[illegible]“[illegible]”（Giustizia e Libertá）——[illegible]55[illegible]4[illegible]（Thomas，1977，p.980）[illegible]20[illegible]

[illegible]20[illegible]30[illegible]70[illegible]

[illegible]20[illegible]1936—1939[illegible]——[illegible]

[illegible]——[illegible]1936[illegible]11[illegible]

[illegible]1939[illegible]Konev[illegible]Malinovky[illegible]Voronov[illegible]Rokossovsky[illegible]Kuznetsov[illegible]

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[illegible]1913[illegible]1939[illegible]——[illegible]1928[illegible]1918[illegible]Beveridge Report[illegible]“[illegible]”[illegible]1942[illegible]30[illegible]

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[illegible]——[illegible]——[illegible]——[illegible]

[illegible]——[illegible][6]——[illegible]“[illegible]”[illegible]——[illegible]“[illegible]……[illegible]”[illegible]ibid.[illegible]p.176.[illegible]

[illegible]1936[illegible]10[illegible]1939—1945[illegible]“[illegible]”“[illegible]”[illegible]——[illegible]——[illegible]“[illegible]”[illegible][7][illegible]

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[illegible]1936[illegible]1939[illegible]10[illegible]——[illegible][8][illegible]
1941[illegible]

[illegible]——[illegible]——[illegible]

[illegible]1940[illegible]1944[illegible]“[illegible]”[illegible]Gillois[illegible]1973[illegible]p.164.[illegible]

[illegible]1943[illegible]1943—1945[illegible]10[illegible]45000[illegible]Bocca[illegible]1966[illegible]pp.297—302[illegible]385—389[illegible]569—570[illegible]Pavone[illegible]1991[illegible]p.413[illegible]1933—1945[illegible]1945[illegible][9]

[illegible]“[illegible]”[illegible]

[illegible]1945—1947[illegible]1933[illegible]10%—12%[illegible]1945[illegible]——1938[illegible]——[illegible]80[illegible]1946[illegible]200[illegible]Mihailovic’[illegible]

[illegible]vanguard party[illegible]“[illegible]”[illegible]“[illegible]”[illegible]M.R.D.Foot[illegible]1976[illegible]p.84[illegible]

[illegible]——[illegible]12000[illegible]Pons Prades[illegible]1975[illegible]p.66[illegible]17[illegible]Main d’Oeuvre Immigrée[illegible]MOI[illegible]Manouchian Group[illegible][10][illegible]*Wartime*[illegible]“[illegible]”[illegible]Foot[illegible]1976[illegible]p.86[illegible]

[illegible]“[illegible]”（le parti des fusillés）——[illegible]15000[illegible]Jean Touchard，1977，p.258[illegible]

[illegible]Trieste[illegible]“[illegible]”[illegible]1945[illegible]1943[illegible]1944[illegible]

[illegible]“[illegible]……[illegible]”（Browder，1944，in J.Starobin，1972，p.57[illegible]——[illegible]“[illegible]”[illegible]——[illegible]1944—1945[illegible]30[illegible]

[illegible] 1936 [illegible] 20 [illegible]

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[illegible] —— [illegible] —— [illegible] 1940 [illegible] 1941—1945 [illegible] [11] [illegible] —— [illegible] —— [illegible]

[illegible]

[illegible]——[illegible]“[illegible]”[illegible]the Great Patriotic War[illegible]

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[illegible]1934—1940[illegible]30[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]——[illegible]——[illegible]1939[illegible]1941[illegible]1942[illegible]“[illegible]”[illegible]Quit India[illegible]Subhas Bose[illegible]

[illegible]——[illegible]Yitzhak Shamir[illegible]

[illegible]1920[illegible]“[illegible]”[illegible]Congress of the Eastern Peoples[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]Jawaharlal Nehru[illegible]1942[illegible]“[illegible]”[illegible]

[illegible]1918—1945[illegible]Hassan al-Banna’s Muslim Brotherhood[illegible]40[illegible]1952[illegible]Perrarlt[illegible]1987[illegible]“[illegible]”[illegible]20[illegible]30[illegible]40[illegible]“[illegible]

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[illegible]‘[illegible]’[illegible]”——[illegible]Lapidus[illegible]1988[illegible]
p.738[illegible]Ba’ath Party[illegible]
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[illegible]——[illegible]
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[illegible]1956[illegible]“[illegible]
[illegible]”[illegible]Lapidus[illegible]1988[illegible]p.693[illegible]
[illegible]
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[illegible]1941—
1945[illegible]

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[illegible]“[illegible]”[illegible]the Movimento Sociale Italiano[illegible]1945[illegible]1945[illegible]1933[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Mengistu[illegible]Siad Barre[illegible]

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[1] [illegible]1941[illegible]Deakin and Storry[illegible]1964[illegible]Chapter13[illegible]Andrew and Gordievsky[illegible]1991[illegible]pp.281—282[illegible]

[2] [illegible]“[illegible]”[illegible]1942—1945[illegible]

[3] [illegible]Van der Lubbe[illegible]3[illegible]4[illegible]

[4] [illegible]Berber[illegible]

[5] [illegible]19[illegible]30[illegible]70[illegible]

[6] [illegible]Eregli[illegible]October1936[illegible]Hobsbawm[illegible]1986[illegible]p.175.[illegible]

[7] [illegible]Oko Tchervenkov[illegible]Reale[illegible]1954[illegible]pp.66—67[illegible]73—74.[illegible]

[8] [illegible]

[9] [illegible]1990[illegible]“[illegible]”[illegible]Gladio[illegible]the sword[illegible]1949[illegible]CIA[illegible]70[illegible]“[illegible]”[illegible]Gladiators[illegible]

[10] [illegible]·[illegible]Artur London[illegible]MOI[illegible]

[11] [illegible]17%[illegible]

[12] [illegible]

[illegible] 1914—1945[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”……[illegible]

——[illegible]

（Walter Benjamin，*One Way Street*，1979，p.23）

[illegible]……[illegible]……[illegible]

——[illegible]H.L.Mencken，1931）

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[illegible]1914[illegible]“[illegible]”（modernism[illegible]（cubism[illegible]expressionism[illegible]futurism[illegible]tonality[illegible]

[illegible]“[illegible]”[illegible]1914[illegible][1][illegible]1917[illegible]Pound[illegible]Wyndham Lewis[illegible]*Blast*[illegible]19[illegible]80[illegible]40[illegible]

[illegible]“[illegible]”[illegible][2]
[illegible]Schönberg[illegible]——[illegible]Alban Berg[illegible]Anton Webern[illegible]——[illegible]19[illegible]80[illegible]

[illegible]“[illegible]”[illegible]1914[illegible]Dadaism[illegible]constructivism[illegible]surrealism[illegible]Gropius[illegible]1919[illegible]Bauhaus[illegible]Tatlin[illegible]

[illegible]1916[illegible]1914[illegible]collage[illegible]1917[illegible]Marcel Duchamp[illegible]1887—1968[illegible]“[illegible]”[illegible]ready-made art[illegible]

[illegible]20[illegible]“[illegible]”[illegible]Willett[illegible]1978[illegible]

[illegible]20[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]automatic writing[illegible]19[illegible]Salvador Dali[illegible]1904—

1989[illegible]spontaneous imagination[illegible]René Magritte[illegible]1898—1967[illegible]*Castle in the Pyrenees*[illegible]

[illegible]1936[illegible]International Surrealist Exhibition[illegible]Eluard[illegible]Aragon[illegible]García Lorca[illegible]César Vallejo[illegible]Pablo Neruda[illegible]“[illegible]”[illegible]magical realist[illegible]Max Ernst[illegible]1891—1976[illegible]Magritte[illegible]Joan Miró[illegible]1893—1983[illegible]20[illegible]Luis Buñuel[illegible]1900—1983[illegible]20[illegible]Jacques Prévert[illegible]1900—1977[illegible]Herri Cartier-Bresson[illegible]1908—[illegible]photojournalism[illegible]

[illegible]——[illegible]1914[illegible]

[illegible]19[illegible]60[illegible]·[illegible]Richard Strauss[illegible]Mascagni[illegible]Puccini[illegible]Leoncavallo[illegible]Janacek[illegible]“[illegible]”[illegible][3]

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[illegible]1918[illegible]Scott Fitzgerald[illegible]—[illegible]30[illegible]1936—1939[illegible]Hindemith[illegible]Poulenc[illegible]Ecole de Paris[illegible]Nolde[illegible]Franz Marc[illegible]

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[illegible]“[illegible]”[illegible]1925[illegible]*Battleship Potemkin*[illegible][illegible]Odessa[illegible]30[illegible]“[illegible]”[illegible]Manvell[illegible]1944[illegible]pp.47—48[illegible]

[illegible]30[illegible]René Clair[illegible]·[illegible]Jean Renoir[illegible]Marcel Carné[illegible]Prévert[illegible]“[illegible]”[illegible]Les Six[illegible]Auric[illegible]·[illegible]Carl Laemmle[illegible]*Frankenstein*[illegible]*Dracula*[illegible]Lang[illegible]Lubitsch[illegible]Wilder[illegible]“[illegible]”[illegible]Karl Freund[illegible]1890—1969[illegible]Eugen Schufftan[illegible]1893—1977[illegible]

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[illegible]·[illegible]Lyonel Feininger[illegible]Paul Klee[illegible]Wassily Kandinsky[illegible]Malevich[illegible]El Lissitzky[illegible]·[illegible]MoholyNagy[illegible]1921[illegible]1923[illegible]100[illegible]200[illegible]

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Albert Speer

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Anatol Lunacharsky

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John Huston · Humphrey Bogart *Treasure of the Sierra Madre*

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[illegible][7][illegible]Diego Rivera[illegible]1886—1957[illegible]——[illegible]Chrysler Building[illegible]——[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]19[illegible]Bengalis[illegible]Urdu[illegible]20[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Chekhov[illegible]Tolstoy[illegible]20[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Keene[illegible]1984[illegible]chapter15[illegible]1881—1936[illegible]

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[illegible]Stevenson[illegible]pp.396[illegible]403[illegible]

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[illegible]“[illegible]”[illegible]boulevard[illegible]“[illegible]”[illegible]West End[illegible]——[illegible]1914[illegible]——[illegible]·[illegible]A.Conan Doyle[illegible]Sherlock Holmes[illegible]19[illegible]90[illegible]——[illegible]Agatha Christie[illegible]1891—1976[illegible]——[illegible]“[illegible]”[illegible]20[illegible][8]

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[1] [illegible]Matisse[illegible]Picasso[illegible]·[illegible]Mies van der Rohe[illegible]Proust[illegible]James Joyce[illegible]·[illegible]Thomas Mann[illegible]Franz Kafka[illegible]Yeats[illegible]Alexander Blok[illegible]Anna Akhmatova[illegible]

[2] [illegible]Isaac Babel[illegible]1894[illegible]·[illegible]Le Corbusier[illegible]1897[illegible]Ernest Hemingway[illegible]1899[illegible]·[illegible]Garcia Lorca[illegible]Hanns Eisler[illegible]1898[illegible]Kurt Weill[illegible]1990[illegible]Jean Paul Sartre[illegible]1905[illegible]W.H.Auden[illegible]1907[illegible]

[3] [illegible]1928[illegible]The Threepenny Opera[illegible]Mahagonny[illegible]Porgy and Bess[illegible]

[4] [illegible]

[5] ‘Mir fällt zu Hiller nichts ein.’[illegible]

[6] [illegible]20[illegible]Erich Maria Remarque[illegible]All Quiet on the Western Front[illegible]1929[illegible]1930[illegible]18[illegible]25[illegible]250[illegible]

[7] [illegible]Jorse Luis Borges[illegible]1899—1986[illegible]C.P.Cavafy[illegible]1863—1933[illegible]20[illegible]Fernando Pessoa[illegible]1888—1935[illegible]Kipling[illegible]

[8] [illegible]“[illegible]”[illegible]“[illegible]”[illegible]Dashiell Hammett[illegible]1894—1961[illegible]Pinkerton[illegible]Georges Simenon[illegible]1903—1989[illegible]

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[illegible]1918[illegible]1928[illegible]10[illegible]……[illegible]·[illegible]Dan Breen[illegible]*My Fight for Irish Freedom*[illegible]·[illegible]Masterda[illegible]“[illegible]”[illegible]Chittagong[illegible]

——[illegible]Kalpana Dutt[illegible]1945[illegible]pp.16—17[illegible]

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——[illegible]M.Carritt[illegible]1985[illegible]pp.63—64[illegible]

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Seal 1968 p.884 Misra 1961 p.328

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Martins Rodrigues p.437

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[illegible]1914[illegible]“[illegible]”[illegible]settler capitalism[illegible]3[illegible]4[illegible]7[illegible]Lancashire[illegible]

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[illegible]1970[illegible]30[illegible]60[illegible]“[illegible]”（value added in manufacturing）[illegible]（Harris，1987，pp.102—103）[illegible]20[illegible]——1960[illegible]4%[illegible]70[illegible]“[illegible]”[illegible]

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[illegible]1929—1933[illegible]

20[illegible]30[illegible]30[illegible]Andes[illegible]3700[illegible]“[illegible]”[illegible]Huasicancha[illegible]Smith[illegible]1989[illegible]esp.p.175[illegible]

[illegible]Negri Sembilan[illegible]“[illegible]”[illegible]Firth[illegible]1954[illegible]·[illegible]

[illegible]1919[illegible]19[illegible]20[illegible]20[illegible]30[illegible]350[illegible]Cassblanca[illegible]30[illegible]25[illegible]Bairoch[illegible]1985[illegible]pp.517[illegible]525[illegible]

[illegible]“[illegible]Batavia[illegible]”[illegible]Holland[illegible]1985[illegible]p.12.[illegible]

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□30□□□1935□□“□□□□□□□□□□□□□□□□□□□□□□□□□□□”□Van Asbeck□1939□□Trinidad□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1935—1938□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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[illegible]1939[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1943[illegible]

[illegible]1942[illegible]“[illegible]”[illegible]55000[illegible]“[illegible]”[illegible]Indian Nataional Army[illegible]Bhargava/Singh Gill[illegible]1988[illegible]p.10[illegible]Sareen[illegible]1988[illegible]pp.20—21[illegible]1943[illegible]“[illegible]”[illegible]Assembly of Greater East Asiatic Nations[illegible][5][illegible]“[illegible]”“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[illegible]1945[illegible]1947[illegible]1948[illegible]Ceylon[illegible]1946[illegible]1898[illegible]1945[illegible]1954[illegible]10[illegible]1975[illegible]10[illegible]

[illegible]5500[illegible]Javanese[illegible]1948[illegible]New Guinea[illegible]60[illegible]——[illegible]1948[illegible]12[illegible]5[illegible]6[illegible]20[illegible]1957[illegible]

[illegible]1965[illegible]

[illegible]1947[illegible]1972[illegible]People’s Freedom League[illegible]British Commonwealth[illegible]——[illegible]

[illegible]“[illegible]”[illegible]1947[illegible]1923—1933[illegible]“[illegible]……”[illegible]1935[illegible]Moslem League[illegible]1940[illegible]

[illegible]1914—1918[illegible]1942[illegible]

[illegible]Punjab[illegible]“[illegible]”[illegible]

[illegible]1950[illegible]1951[illegible]Muhammad Mussadiq[illegible]1880—1967[illegible]1953[illegible]Gamal Abdel Nasser[illegible]1918—1970[illegible]Free Officers[illegible]1952[illegible]1958[illegible]1956[illegible]Suez War[illegible]1954—1962[illegible]1958[illegible]1961[illegible]——[illegible]1956[illegible]

[illegible]1956[illegible]Anthony Eden[illegible]1918[illegible]“[illegible]”[illegible]

[illegible]50[illegible]

[illegible]Southern Rhodesia[illegible]1965[illegible]1952—1956[illegible]Mau Mau Movement[illegible]Kikuyu[illegible]Belgian Congo[illegible]Kwame Nkrumah[illegible]1957[illegible]Guinea[illegible]“[illegible]”[illegible]French Community[illegible]Sekou Toure[illegible]1958[illegible]1960—1962[illegible]

60[illegible]20[illegible]60[illegible]70[illegible]1970[illegible]30[illegible]

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[1] [illegible]“[illegible]”[illegible]1917[illegible]“[illegible]20[illegible]”[illegible]“[illegible]”[illegible]

[2] [illegible]Anil Seal[illegible]1971[illegible]pp.21—22[illegible]

[3] [illegible]Sufi[illegible]

[4] [illegible]

[5] “[illegible]”[illegible]Asiatic[illegible]“Asian”[illegible]

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——[illegible]Frank Roberts[illegible]

[illegible]1946[illegible]Jensen[illegible]1991[illegible]p.56[illegible]

[illegible]“[illegible]”[illegible]

——[illegible]Richard Barnet[illegible]1981[illegible]p.97[illegible]

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[illegible]45[illegible]45[illegible]70[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]Thomas Hobbes[illegible]“[illegible]”[illegible]Hobbes[illegible]chapter13.[illegible]“[illegible]20[illegible]”[illegible]“[illegible]”[illegible]Murphy’s Law[illegible]“[illegible]

[illegible]”[illegible]“[illegible]”（mutually assured destruction，[illegible]MAD）[illegible]“[illegible]”[illegible]“[illegible]”[illegible]40[illegible]

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[illegible]1943—1945[illegible]——[illegible]“[illegible]”[illegible]

[illegible]1945[illegible]（postcolonial）[illegible][1][illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]（nonaligned）[illegible]70[illegible]

[illegible]70[illegible]

[illegible]“[illegible]”[illegible]1950—1953[illegible]150[illegible]Walker[illegible]1993[illegible]pp.75—77[illegible]1962[illegible]Ball[illegible]1992[illegible]Ball[illegible]1993[illegible]

[illegible]“[illegible]”[illegible]Cold Peace[illegible]“[illegible]”[illegible]70[illegible]1953[illegible]“[illegible]”[illegible]roll back[illegible]1956[illegible]Ian Fleming[illegible]James Bond[illegible]John Le Carré[illegible]KGB[illegible]CIA[illegible]

[illegible]1947[illegible]3[illegible]“[illegible]”[illegible]Truman Doctrine[illegible]“[illegible]”[illegible]1951[illegible]4[illegible]General Douglas MacArthur[illegible]——[illegible]1949[illegible]1948[illegible]1949[illegible][2][illegible]“[illegible]”[illegible]

[illegible]1949[illegible]9[illegible]1953[illegible]1951[illegible]1954[illegible]1969[illegible]

[illegible]1953[illegible]1954[illegible]1956[illegible]1962[illegible][3]

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[illegible]40[illegible]1943[illegible]“[illegible]”[illegible]Samuelson[illegible]1943[illegible]p.51[illegible]Kolko[illegible]1969[illegible]pp.244—246[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Dean Acheson[illegible]cited in Kolko[illegible]1969[illegible]p.485[illegible]

[illegible]1946[illegible]

[illegible]——[illegible]——[illegible]“[illegible]”[illegible]1960[illegible]“[illegible]——[illegible]”（Horne，1989，vol.Ⅱ，p.283[illegible]J.F.Kennedy[illegible][4]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Hughes，1969，p.28.[illegible]“[illegible]16[illegible]”[illegible]Jensen，1991，pp.41，53—54；Roberts，1991.[illegible]1945—1947[illegible]1943—1945[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”（Spriano，1983，p.265[illegible]1945[illegible]1200[illegible]1948[illegible]300[illegible]1946[illegible]10[illegible]24[illegible]1948[illegible]10[illegible]24[illegible]

[illegible]Loth，1988，pp.36—37[illegible][5][illegible]

[illegible]1946[illegible]

[illegible]George Kennan[illegible]“[illegible]”[illegible]containment[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]1943—1945[illegible]1945—1946[illegible]Molotov[illegible]“[illegible]”[illegible]1947[illegible]12[illegible]12[illegible]Moisi[illegible]1981[illegible]pp.78—79[illegible]“[illegible]”[illegible]

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[illegible]19[illegible]“[illegible]”[illegible]——[illegible]

[illegible]（James Forrestel，1882—1949）[illegible]“[illegible]”[illegible]——[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”（Americanism）[illegible][6][illegible]（Joseph McCarthy）[illegible]（J.Edgar Hoover，1895—1972）[illegible]“[illegible]”（the attack of the Primitive）[illegible]（Acheson，1970，p.462）[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1954[illegible]“[illegible]”（massive retaliation）[illegible]

[illegible]（Eisenhower）[illegible]“[illegible]”（military-industrial complex）[illegible]1952[illegible]60[illegible]

[illegible]70[illegible]80[illegible]1989[illegible]

[illegible]“[illegible]”[illegible]Walker[illegible]1993[illegible]p.55[illegible]1947—1949[illegible]“[illegible]”[illegible]congealing[illegible]1949—1961[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1960[illegible][7][illegible]NATO[illegible]“[illegible]”[illegible]

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[illegible]1950[illegible]8[illegible]1988[illegible]

[illegible] 1965—1975 [illegible] 1968 [illegible]

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[illegible] 1956 [illegible] Liberal Democratic Party [illegible] 1955 [illegible] Christian Democrats [illegible] 60 [illegible] 1956 [illegible] 1992—1993 [illegible]

[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible][8][illegible]“[illegible]”[illegible]1945[illegible]

[illegible]“[illegible]”[illegible]1957[illegible]6[illegible]1991[illegible]6[illegible]

[illegible]1945[illegible]——[illegible]——[illegible]——[illegible]“[illegible]”（Maier，1987，p.125）[illegible]

[illegible]1946—1947[illegible]（Marshall Plan）[illegible]1947[illegible]6[illegible]

[illegible]“[illegible]”[illegible]European Coal and Steel Community[illegible]1950[illegible]“[illegible]”[illegible]“[illegible]”[illegible]European Economic Community[illegible]Common Market[illegible]1957[illegible]“[illegible]”[illegible]1993[illegible]“[illegible]”[illegible]European Union[illegible]1990[illegible]

[illegible]1956[illegible]

[illegible]1947[illegible]1965[illegible]1960[illegible]Fort Knox[illegible]——[illegible]——[illegible]60[illegible]——[illegible]——[illegible]“[illegible]”[illegible]Gold Pool[illegible]1968[illegible]“[illegible]”[illegible]1971[illegible]8[illegible]

[illegible]1991[illegible]——[illegible]

[illegible]

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[illegible]50[illegible]N.S.Khrushchev[illegible]1958—1964[illegible]——[illegible]20[illegible]1961—1963[illegible]——[illegible]“[illegible]”[illegible]50[illegible]

[illegible]

[illegible]1963[illegible]1961[illegible]1963

[illegible]1964[illegible]60[illegible]70[illegible]
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[illegible]Strategic Arms Limitation Treaty[illegible]SALT[illegible]
[illegible]Anti-Ballistic Missiles[illegible]ABMs[illegible]
[illegible]60[illegible]70[illegible]
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[illegible]1973[illegible]20[illegible]80[illegible]
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[illegible]Leonid Brezhnev[illegible]20[illegible]“[illegible]”[illegible]the era of stagnation[illegible]
[illegible]60[illegible]1973[illegible]
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[illegible]1965—1975[illegible]
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[illegible]1973[illegible]Yom Kippur[illegible]
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[illegible]Azores[illegible]
[illegible]——[illegible]——[illegible]
[illegible]Henry Kissinger[illegible]
[illegible]

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[illegible]1974—1979[illegible]“[illegible]20[illegible]”[illegible]——[illegible]70[illegible]

[illegible]——[illegible]1974[illegible]——[illegible]“[illegible]”[illegible]1968—1974[illegible]Angola[illegible]Mozambique[illegible]—[illegible]Guinea-Cape Verde[illegible][9][illegible]3[illegible]

[illegible]4%—5%[illegible]1964[illegible]20[illegible]1971[illegible]1976[illegible]25%[illegible]

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[illegible] 19 [illegible] 80 [illegible] 19 [illegible] Jowitt [illegible] 1991 [illegible] p.78 [illegible] 20 [illegible] 80 [illegible] 80% [illegible] 5 [illegible] 80 [illegible] 1983 [illegible] Walker [illegible] 1993 [illegible] chapter13 [illegible]

[illegible] 21 [illegible] 20 [illegible] 70 [illegible] 80 [illegible] 1981—1989 [illegible] 70 [illegible]

[illegible]·[illegible] Ronald Reagan [illegible] 1980 [illegible] 1983 [illegible] Grenada [illegible] 1986 [illegible] 1989 [illegible] 1991 [illegible] 1973 [illegible] 1979 [illegible]

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[illegible]“[illegible]”[illegible]“[illegible]”[illegible]80[illegible]Thatcher[illegible]50[illegible]60[illegible]1973[illegible]“[illegible]”[illegible]the road to serfdom[illegible]“[illegible]”[illegible]

[illegible]80[illegible]80[illegible]Mikhail Gorbachev[illegible]1986[illegible]

[illegible]

Reykiavik 1986 1987

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[illegible]1987[illegible]40[illegible]40[illegible]1989[illegible]1991[illegible]

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[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1947[illegible]——[illegible]——[illegible]

[illegible]“[illegible]”[illegible]46[illegible]1949[illegible]1954[illegible]Oder[illegible]Neisse[illegible]1945[illegible]

[illegible]1948—1989[illegible]1961[illegible]1989[illegible]Baghdad[illegible]

[illegible]“[illegible]”[illegible]1970[illegible]70[illegible]1969[illegible]Ostpolitik[illegible]——[illegible]——[illegible]

[illegible]40[illegible]40[illegible]40[illegible]“[illegible]”[illegible]Low Intensity[illegible]“[illegible]”[illegible]20[illegible]

[illegible]Uzi[illegible]Kalashnikov[illegible]Semtex[illegible]

[illegible]UNITA[illegible]“[illegible]”[illegible]Stinger[illegible]10[illegible]*International Herald Tribune*[illegible]1993[illegible]5[illegible]7[illegible]24[illegible]*Repubblica*[illegible]1994[illegible]6[illegible]4[illegible]Goethe[illegible]“[illegible]”

[illegible]“[illegible]”[illegible]1947[illegible]80[illegible]——[illegible]

[illegible]——[illegible]——[illegible]

[illegible]1990[illegible]

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[1] 1947[illegible]9[illegible]Communist Information Bureau[illegible]Cominform[illegible]——[illegible]——[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Spriano[illegible]1983[illegible]p.286[illegible]1949[illegible]4[illegible]6[illegible]Walker[illegible]1993[illegible]p.63[illegible]

[2] [illegible]“[illegible]3[illegible]”[illegible]1957[illegible]Walker[illegible]1993[illegible]p.126[illegible]

[3] [illegible]Burlatsky[illegible]1992[illegible]Ball[illegible]1992[illegible]p.18[illegible]Walker[illegible]1988[illegible]

[4] [illegible]“[illegible]……[illegible]”

[5] [illegible]10[illegible]20[illegible]

[6] [illegible]1968—1974[illegible]

[7] “[illegible]”[illegible]Beschloss[illegible]1991[illegible]p.28.[illegible]

[8] [illegible]

[9] [illegible]

[10] [illegible]“[illegible]”[illegible]Finlandzation[illegible]“[illegible]”[illegible]

[11] [illegible]30[illegible]

[illegible]

[illegible]40[illegible]Modena[illegible]Italian Unification[illegible]

——[illegible]G.Muzzioli[illegible]1993[illegible]p.323[illegible]

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——[illegible]J.K.Galbraith[illegible]1976[illegible]p.24[illegible]

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[illegible]50[illegible]“[illegible]”[illegible]1959[illegible]“[illegible]”[illegible]70[illegible]80[illegible]——[illegible]——[illegible]“[illegible]30[illegible]”[illegible]“[illegible]”[illegible]Marglin and Schor[illegible]1990[illegible]

[illegible]GNP[illegible]Van der Wee[illegible]1987[illegible]p.30[illegible]1950—1973[illegible]

[illegible]Maddison[illegible]1987[illegible]p.650[illegible]1950[illegible]70[illegible]80[illegible]

[illegible]1945[illegible]1950[illegible]50[illegible]—[illegible]EmiliaRomagna[illegible]“[illegible]”[illegible]affluent society[illegible]60[illegible]Francia[illegible]Muzzioli[illegible]1984[illegible]pp.322—379[illegible]60[illegible]1.5%[illegible]50[illegible]8%[illegible]60[illegible]“[illegible]”[illegible]1972[illegible]“60[illegible]70[illegible]……[illegible]”[illegible]60[illegible]“[illegible]”[illegible]Organization for Economic Cooperation and Development[illegible]OECD[illegible]70[illegible]“[illegible]”[illegible]“[illegible]”[illegible]5%[illegible]Glyn[illegible]Hughes[illegible]Lipietz[illegible]Singh[illegible]1990[illegible]p.39[illegible]

[illegible]30[illegible]30[illegible]75%[illegible]80%[illegible]OECD[illegible]Impact[illegible]1979[illegible]pp.18—19[illegible]50[illegible]50[illegible]60[illegible]IMF[illegible]1990[illegible]p.65[illegible]60[illegible]

[illegible]1950[illegible]35[illegible]World Resources[illegible]1986[illegible]p.11[illegible]70[illegible]80[illegible]7[illegible]1960[illegible]1930[illegible]17[illegible]Morawetz[illegible]1977[illegible]p.48[illegible]50[illegible]“[illegible]”[illegible]1%[illegible]60[illegible]50[illegible]60[illegible]

[illegible]70[illegible]1%[illegible]80[illegible]70[illegible]70[illegible]Van der Wee[illegible]1987[illegible]p.106[illegible]FAO[illegible]the State of Food[illegible]1989[illegible]Annex[illegible]Table2[illegible]pp.113—115[illegible]

[illegible]80[illegible]“[illegible]”“[illegible]”[illegible]30[illegible]20[illegible]60[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]newly industrialized countries[illegible]NICs[illegible]80[illegible]15[illegible]FAO[illegible]The State of Food[illegible]1989[illegible]Annex[illegible]Table11[illegible]pp.149—151[illegible]

[illegible]60[illegible]50[illegible]70[illegible]20[illegible]4[illegible]10[illegible]1950—1952[illegible]1980—1982[illegible]World Resources[illegible]1986[illegible]pp.47[illegible]142[illegible]

[illegible]19[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Worcester[illegible]Lima[illegible]60[illegible]

[illegible]19[illegible]20[illegible]1953[illegible]“[illegible]”[illegible]

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□World Resources□TableⅡ.1□p.318□Ⅱ.4□p.319□V.Smil□1990□
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□World Resources□TableⅡ.3□p.319□□□□□□□□□□□□□□□□□□
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Yearbook□1982□Table175□p.960□——□□□□□□□□□□□□□□□□
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Historical Statistical□p.403□□□□□□□□□□□□□□□□□□□□□□□

[illegible]50[illegible]80[illegible]5400[illegible]Stat.Jahrbuch[illegible]1990[illegible]p.262[illegible]1971[illegible]2.7[illegible]10[illegible]UN World Situation[illegible]1985[illegible]Table19[illegible]p.63[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]nylon[illegible]1935[illegible]polystyrene[illegible]polythene[illegible]1947[illegible]1946[illegible]——1975[illegible]5%[illegible]1945[illegible]“[illegible]”[illegible]50[illegible]60[illegible]19[illegible]

[illegible]“[illegible]”[illegible]1945[illegible]“[illegible]”[illegible]Considine[illegible]1982[illegible]pp.1164ff[illegible]

[illegible]1950[illegible]

[illegible]50[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]1948[illegible]1960[illegible]CD[illegible]——[illegible]60[illegible]

[illegible]R[illegible]D[illegible]“[illegible]”[illegible]70[illegible]“[illegible]”[illegible]250[illegible]130[illegible]60[illegible]30[illegible]UNESCO[illegible]1985[illegible]Table5.18[illegible]

[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]entropy[illegible]

[illegible]60[illegible]1.5%[illegible]1.3%[illegible]Van der Wee[illegible]1987[illegible]p.77.[illegible]“[illegible]”[illegible]“[illegible]”“[illegible]”[illegible]

[illegible]1956[illegible]

[illegible]……[illegible]50[illegible]3[illegible]Crosland[illegible]1957[illegible]p.517[illegible]

[illegible]18[illegible]50[illegible]“[illegible]”[illegible]1850—1873[illegible]——[illegible]——[illegible]20[illegible]

[illegible]20[illegible]

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[illegible]“[illegible]”[illegible]50[illegible]

1953[illegible]20[illegible]10[illegible]19[illegible]60%[illegible]W.A.Lewis[illegible]1981[illegible]1975[illegible]7[illegible]7[illegible]UN Statistical Yearbook[illegible]1982[illegible]pp.95ff[illegible]1018ff[illegible]

[illegible]19[illegible]20[illegible]1973[illegible]1973[illegible]——60[illegible]70[illegible]60[illegible]80[illegible]

[illegible]

[illegible]Crosland[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]……[illegible]”[illegible]H.G.Johnson[illegible]1972[illegible]p.6[illegible]70[illegible]80[illegible]“[illegible]”[illegible]1944[illegible]*The Rood to Serfdom*[illegible]40[illegible]70[illegible]

[illegible]“[illegible]”[illegible]1914[illegible]30[illegible]

[illegible]——[illegible]——[illegible]

[illegible]—[illegible]1945[illegible]1946—1947[illegible]15[illegible]

[illegible]1945[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1933[illegible]

[illegible]（Averell Harriman）[illegible]1946[illegible]“[illegible]‘[illegible]’[illegible]……[illegible]”（Maier，1987，p.129.）[illegible]（Jean Monnet，1888—1979）[illegible]（Lionel Robbins）[illegible]（London School of Economics）[illegible]30[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[1] [illegible]

[illegible]1945—1946[illegible]1950—1979[illegible]20[illegible]（Maddison，1982，p.46）[illegible]

1946

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“ ” 40 Harry White [2] International Monetary Fund IMF 1944 “ ” Bretton Woods Agreements “ ” World Bank “ ” International Bank for Reconstruction and Development balance of payment “ ” International Trade Organization “ ” General Agreement on Tariffs and Trade GATT

—— 60 70 50 60% 1970 50% Armstrong Glyn Harrison 1991 p.15

[illegible]“[illegible]”[illegible]Kolko[illegible]1969[illegible]p.13[illegible]Walker[illegible]1991[illegible]1949—1953[illegible]13[illegible]1966—1970[illegible]——[illegible]14.6%[illegible]

[illegible]Lombardy[illegible]Piedmont[illegible]Tuscan[illegible]20[illegible]40[illegible]1945[illegible]

[illegible]——[illegible]——[illegible]“[illegible]”[illegible]70[illegible]750[illegible]Potts[illegible]1990[illegible]pp.146—147[illegible]1973[illegible]20[illegible]

[illegible]“[illegible]”[illegible]international[illegible]“[illegible]”[illegible]transnational[illegible]1950—1970[illegible]4[illegible]50[illegible]60[illegible]Block[illegible]1997[illegible]p.145[illegible]8%[illegible]Marglin and Schor[illegible]p.43[illegible]Table2.2[illegible]

[illegible]60[illegible]“[illegible]”[illegible]70[illegible]1973[illegible]20[illegible]Crisis Decades[illegible]20[illegible]“[illegible]”[illegible]1956—1990[illegible]World Development[illegible]1992[illegible]p.235[illegible]

[illegible]“[illegible]”[illegible]offshore finance[illegible]

[illegible]“[illegible]”[illegible]60[illegible]20[illegible]Curacao[illegible]the Virgin Islands[illegible]Liechtenstein[illegible]“[illegible]”[illegible]Raw[illegible]Page and Hodgson[illegible]1972[illegible]p.83[illegible]

60[illegible]“[illegible]”[illegible]Eurocurrency[illegible]——[illegible]“[illegible]”[illegible]Euro dollars[illegible]——[illegible]

[illegible]“[illegible]”[illegible][illegible]“[illegible]”[illegible]1964[illegible]140[illegible]1973[illegible]1600[illegible]5[illegible]5000[illegible]2[illegible]90[illegible]

[illegible]“[illegible]”[illegible]1950[illegible]7500[illegible]1966[illegible]25000[illegible]Spero[illegible]1977[illegible]p.92[illegible]Hoechst[illegible]45[illegible]117[illegible]6[illegible]1950[illegible]Fröbel[illegible]Heinrichs[illegible]Kreye[illegible]1986[illegible]Table IIIA[illegible]p.281ff.[illegible]80[illegible]80%[illegible]UN Transnational[illegible]1988[illegible]p.90[illegible]

[illegible]“[illegible]”[illegible]40[illegible]1960[illegible]200[illegible]17%[illegible]1984[illegible]26%[illegible][3][illegible]“[illegible]”[illegible]“[illegible]”[illegible]85%[illegible]4[illegible]15%[illegible]11[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Mobil Oil[illegible]Daimler-Benz[illegible]170[illegible]

[illegible]——[illegible]——[illegible]50[illegible]70[illegible]1970—1983[illegible]5%[illegible]Fröbel et al[illegible]1986[illegible]p.200[illegible]

[illegible]Volkswagen[illegible]Ecuador[illegible]60[illegible]1970[illegible]“[illegible]”[illegible]

[illegible]60[illegible]“[illegible]”[illegible]free production zones[illegible]Amazon[illegible]Manaus[illegible]“[illegible]”[illegible]

[illegible]1991[illegible]250[illegible]71[illegible]18[illegible]10[illegible]World Development[illegible]1992[illegible][4][illegible]

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[illegible]20[illegible]（Corsica）[illegible]（Canary Islands）[illegible]

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[illegible]“[illegible]”[illegible]16[illegible]4.5%[illegible]1870—1913[illegible]3[illegible]（Maddison，1982，Table5.1，p.96）[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1[illegible]

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[illegible]60[illegible]80%[illegible]

[illegible]60[illegible]1949[illegible]1947[illegible]3[illegible]1949[illegible]Leanman[illegible]1988[illegible]1945[illegible]

[illegible]50[illegible]1952[illegible]1951[illegible][5][illegible]

[illegible]60[illegible]——[illegible]1960[illegible]1890[illegible]1965[illegible]Konrad Adenauer[illegible]1876[illegible]1964[illegible]1894[illegible]1890[illegible]50[illegible]70[illegible]80[illegible]——[illegible]

[illegible]“[illegible]”[illegible]70[illegible]40%[illegible]47%[illegible]Therborn[illegible]1983[illegible]1970[illegible]1970[illegible]“[illegible]”[illegible]Statistical History[illegible]1976[illegible]II[illegible]pp.1102[illegible]1104[illegible]1141[illegible]70[illegible]“[illegible]”[illegible]6[illegible]60%[illegible]

[illegible]“[illegible]”[illegible]1956[illegible]1954—1961[illegible]1965[illegible]1968[illegible]

[illegible]——[illegible]——[illegible]

60[illegible]——[illegible]——[illegible]20[illegible]Friedman[illegible]1968[illegible]p.11[illegible]60[illegible]——[illegible]——[illegible]1968[illegible]“[illegible]”[illegible]

[illegible]1968[illegible]

[illegible]——[illegible]3[illegible]3[illegible]“[illegible]”[illegible]*The Future Socialism*[illegible]J.K.Galbraith[illegible]*The Affluent Society*[illegible]*Beyond the Welfare State*[illegible]Daniel Bell[illegible]*The End of Ideology*[illegible]1956—1960[illegible]60[illegible]

[illegible]1968[illegible]1971[illegible]1972—1973[illegible]1973[illegible]70[illegible]“[illegible]”[illegible]overheat[illegible]1972[illegible]7[illegible]12[illegible]“[illegible]”[illegible]7.5%[illegible]10%[illegible]——[illegible]1974[illegible]——[illegible]——[illegible]1929[illegible]“[illegible]”[illegible]“[illegible]”[illegible]McCracken[illegible]1977[illegible]p.14[illegible]“[illegible]”[illegible]1973[illegible]10[illegible]

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[1] “[illegible]”[illegible]“[illegible]”[illegible]70[illegible]“[illegible]”（capitalist）[illegible]*Forbes*[illegible]1965[illegible]“[illegible]”[illegible]——[illegible]

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[3] [illegible]

[4] [illegible]Andorra[illegible]Monaco[illegible]San Marino[illegible]1990[illegible]

[5] [illegible]1941[illegible]48.8%[illegible]

[illegible] 1945—1990[illegible]

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[illegible]Studs Terkel[illegible]Hard Times[illegible]1970[illegible]pp.22—23[illegible]

[illegible]100[illegible]……[illegible]1000[illegible]

——[illegible]Regis Debray[illegible]1994[illegible]p.34[illegible]

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[illegible]——[illegible]——[illegible]30[illegible]Empire State Building[illegible]1934[illegible]70[illegible]50[illegible]80%[illegible]60[illegible]

[illegible]Valencia[illegible]50[illegible]80[illegible]50[illegible]“[illegible]”[illegible]10[illegible]1962—1971[illegible]Cuzco[illegible]10[illegible]10[illegible]70[illegible]10[illegible]

[illegible]1950[illegible]60[illegible]——[illegible]——[illegible]

20[illegible]20[illegible]30[illegible]——[illegible]20%[illegible]

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□□“□□□□□□”□□20□□□□□□□□□□1951—1973□□□□□□□1960—1980□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1960—1981□□□□□□□1961—1981□□□□□□1953—1981□□70□□30□□□□□□□□□□□□75%□□□20%□□□68%□□23%□□□□□□□□□□□□□□□□□□□□□□□□□10□□1971—1982□□□□□□□□□□□□□

[illegible]50[illegible]20[illegible]
[illegible]50[illegible]55%[illegible]80[illegible]29%[illegible]

[illegible]80[illegible]
[illegible]
[illegible]1985[illegible]16.5%[illegible]
[illegible]
1980[illegible]

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[illegible]
[illegible]90%[illegible]
[illegible]70%[illegible]60%[illegible]——[illegible]——[illegible]25[illegible]
[illegible]70%[illegible]1981[illegible]66.4%[illegible]“[illegible]
[illegible]”[illegible]
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[illegible]——[illegible]1961[illegible]60%[illegible]
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[illegible]“[illegible]”[2][illegible]“[illegible]”[illegible]——[illegible]——[illegible]250[illegible]2000[illegible]41.5[illegible]

[illegible]20[illegible]80[illegible]42%[illegible]——[illegible]——[illegible]Population[illegible]1984[illegible]p.214[illegible]1960—1980[illegible]1980[illegible]14.2%[illegible]10[illegible]6[illegible]Nairobi[illegible]20[illegible]10:4[illegible]Karachi[illegible]1980[illegible]500[illegible]850[illegible]2000[illegible]1000[illegible]1350[illegible]1950[illegible]150[illegible]World Resources[illegible]1986[illegible]80[illegible]20[illegible]1950[illegible]30[illegible]5[illegible]

[illegible]“[illegible]”[illegible]60[illegible]——[illegible]19[illegible]——[illegible]——[illegible]

[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]1000[illegible]2000[illegible]Rio de Janeiro[illegible]20[illegible]Maracaná[illegible]——[illegible]——[illegible]“[illegible]”[illegible]inner city[illegible]

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[illegible]1.5[illegible]10[illegible]80[illegible]——[illegible]——[illegible]2.5%[illegible]3%[illegible]20—24[illegible]20%[illegible]

[illegible]1.5%[illegible]3.2%[illegible]2.7%[illegible]2%[illegible]

[illegible]“[illegible]60[illegible]”[illegible]Liebman[illegible]Walker[illegible]Glazer[illegible]1972[illegible]p.35.[illegible]——[illegible]8%[illegible]60[illegible]1968[illegible]1960—1980[illegible]20[illegible]3—4[illegible]4—5[illegible]5—7[illegible]7—9[illegible]Burloiu[illegible]Unesco[illegible]1983[illegible]pp.62—63[illegible]70[illegible]80[illegible]

[illegible]80[illegible]7[illegible]10[illegible]

[illegible]60[illegible]10[illegible]79%—95%[illegible]20%—38%[illegible]Liebman[illegible]Walker[illegible]Glazer[illegible]1972[illegible]1975—1983[illegible]8[illegible]0.8%[illegible]3%[illegible]

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[illegible]Flora[illegible]p.582[illegible]*Deux Ans*[illegible]1990[illegible]p.4[illegible]10[illegible]3.5[illegible]4[illegible]1950[illegible]4%[illegible]1970[illegible]15.5%[illegible]“[illegible]”[illegible]60[illegible]“[illegible]”[illegible]*par excellence*[illegible]Lynch[illegible]1990[illegible]pp.32—37[illegible]

[illegible]——[illegible]1939[illegible]4[illegible]

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[illegible]1980—1984[illegible]5[illegible]25%[illegible]1973[illegible]80[illegible]700[illegible]1979—1983[illegible]80[illegible]20%[illegible]Bairoch[illegible]1988[illegible]

[illegible]19[illegible]1914[illegible]3[illegible]Coventry[illegible]——[illegible]——[illegible]“[illegible]”

[illegible]14[illegible]10[illegible]19[illegible]4%[illegible]50[illegible]“[illegible]……[illegible]”[illegible]Hoggart[illegible]1958[illegible]p.8.[illegible]

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[illegible]15%—30%[illegible]43%[illegible]1960[illegible]1980[illegible]6[illegible]——[illegible]——[illegible]4[illegible]

[illegible]——[illegible]60[illegible]1917[illegible]10[illegible]60[illegible]——[illegible]——[illegible]

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Women[illegible]p.32[illegible]90[illegible]1969[illegible]1980[illegible]1981[illegible]1990[illegible]1991[illegible]1979[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible][11][illegible]“[illegible]”[illegible][12]——[illegible]Krupskaya[illegible]70[illegible]·[illegible]Ruth Fischer[illegible]Anna Pauker[illegible]La Pasionaria[illegible]Federica Montseny[illegible][13][illegible]“[illegible]”[illegible]

[illegible]1944[illegible]30[illegible]

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[illegible]1981[illegible]40%[illegible]30%[illegible]25%[illegible]22%[illegible]2.7%[illegible]1.6%[illegible]0.6%[illegible]14%[illegible]

[illegible]60[illegible]（Friedan，1963；Degler，1987）[illegible]“[illegible]”[illegible]1964[illegible]（American Civil Rights Act）[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[illegible] 50 [illegible] 60 [illegible] 1945 [illegible] “[illegible]” [illegible] Tilly [illegible] Scott [illegible] 1987 [illegible] p.219. [illegible]

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[2] [illegible]20[illegible]60[illegible]

[3] [illegible]

[4] [illegible]“[illegible]”[illegible]

[5] [illegible]

[6] [illegible]Alain Lipietz[illegible]Gramsci[illegible]

[7] [illegible]

[8] 20[illegible]50[illegible]90[illegible]16%[illegible]13%[illegible]“[illegible]”[illegible]31%[illegible]18%[illegible]

[9] [illegible]……[illegible]70[illegible]Programma2000[illegible]1990.[illegible]

[10] [illegible]

[11] [illegible]80[illegible]4[illegible]0.58‰[illegible]9[illegible]0.25‰[illegible]4[illegible]2.4‰[illegible]9[illegible]18.6‰[illegible]

[12] [illegible]1990[illegible]

[13] 1929[illegible]63[illegible]6[illegible]1924—1929[illegible]504[illegible]7%[illegible]

[14] [illegible]affirmative action[illegible]coloratura[illegible]50%[illegible]Norma[illegible]

[15] [illegible]90[illegible]

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[illegible]Carmen Maura[illegible]

——[illegible]*Village Voice*[illegible]1987[illegible]p.572[illegible]

[illegible]50[illegible]5[illegible]50[illegible]

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[illegible]Goody[illegible]1990[illegible]XVII[illegible]Goody[illegible]1990[illegible]p.379[illegible]

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[illegible]1950[illegible]1%[illegible]80[illegible]21%[illegible]Gillis[illegible]1985[illegible]p.307[illegible]

[illegible]80[illegible]23[illegible]33:1[illegible]40:1[illegible]11:1[illegible]80[illegible]UN World Social Situation[illegible]1989[illegible]p.36[illegible]“[illegible]”[illegible]

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[illegible]25[illegible]Tanner[illegible]1962[illegible]p.153[illegible]60[illegible]70[illegible]75%—80%[illegible]14[illegible]25[illegible]Hobsbawm[illegible]1993[illegible]pp.28[illegible]39[illegible]60[illegible]30[illegible]

[illegible]1968—1969[illegible]
1968[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]‘*tutto e subito* ’[illegible]Albers/Goldschmidt/Oehlke[illegible]pp.59[illegible]184[illegible]

[illegible]“[illegible]”[illegible]19[illegible]50[illegible]·[illegible]James Dean[illegible]·[illegible]Buddy Holly[illegible]·[illegible]Janis Joplin[illegible]·[illegible]Brian Jones[illegible]·[illegible]Bob Marley[illegible]·[illegible]Jimi Hendrix[illegible]“[illegible]”[illegible]*jeune premier*[illegible]

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[illegible]Floud et al[illegible]1990[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]30[illegible]70[illegible]“[illegible]”[illegible]

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[illegible]60[illegible]Starr[illegible]1990[illegible]chapters12—13[illegible]80[illegible]

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[illegible]*UN Statistical Yearbook* [illegible]1961[illegible]
[illegible]——[illegible]
[illegible]——[illegible]60[illegible]

[illegible]14[illegible]16[illegible]
[illegible]50[illegible]
[illegible]"[illegible]"[illegible]teen-age boom[illegible]
[illegible]"[illegible]
[illegible]"[illegible]Allen[illegible]1968[illegible]pp.62—63[illegible]
[illegible]1955[illegible]
[illegible]2.77[illegible]1959[illegible]6[illegible]1973[illegible]20[illegible]
[illegible]Hobsbawm[illegible]1993[illegible]p.29[illegible]5[illegible]19[illegible]1970[illegible]
[illegible]1955[illegible]5[illegible]
[illegible]7[illegible]10[illegible]
[illegible]1925[illegible]
1950[illegible]60[illegible]
[illegible]——[illegible]
[illegible]——[illegible]

[illegible]“[illegible]”[illegible]

[illegible]70[illegible]30[illegible]1979[illegible]20[illegible]——[illegible]——[illegible]

[illegible]20[illegible]14[illegible]90[illegible]“[illegible]”[illegible]Soweto[illegible]Nelson Mandela[illegible]

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[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]Queen Marie Antoinette[illegible]

[illegible]Baudelaire[illegible]nostalgie de la boue[illegible]20[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]*Andy Hardy*[illegible]1937—1947[illegible]“[illegible]”[illegible]“[illegible]”[illegible]15[illegible]Halliwell[illegible]1988[illegible]p.321[illegible]——[illegible]1934—1966[illegible]30[illegible]*Gone with the Wind*[illegible]Thackeray[illegible]*Vanity Fair*[illegible]Edmond Rostand[illegible]*Cyrano de Bergerac*[illegible]30[illegible]“[illegible]”[illegible]crazy comedy[illegible]

[illegible]“[illegible]”[illegible]——[illegible]Cole Porter[illegible]

50[illegible]——[illegible]—[illegible]——[illegible]50[illegible]“[illegible]”[illegible]Race[illegible]“[illegible]”[illegible]Rhythm and Blues[illegible]——[illegible]——[illegible]haute couture[illegible]——[illegible]1965[illegible]Veillon[illegible]p.6[illegible]

[illegible][2][illegible]——[illegible]“[illegible]”[illegible]fuck[illegible]

[illegible]“[illegible]”[3][illegible]

[illegible]1968[illegible]5[illegible]“[illegible]”[illegible]It is forbidden to forbid[illegible]·[illegible]Jerry Rubin[illegible]“[illegible]”[illegible]Wiener[illegible]1984[illegible]p.204.[illegible]1968[illegible]5[illegible]“[illegible]”[illegible]Katsiaficas[illegible]1987[illegible]p.101.[illegible]“[illegible]”[illegible]“[illegible]”70[illegible]*Fat is a Feminist Issue*[illegible]*Orbach*[illegible]1978[illegible]

1968[illegible]5[illegible]“[illegible]”[illegible]Zetkin[illegible]1986[illegible]pp.28ff[illegible]60[illegible]70[illegible]——[illegible]“[illegible]”[illegible]Brecht[illegible]1976[illegible]II[illegible]p.722.[illegible]60[illegible]70[illegible]

[illegible]“[illegible]1963”[illegible]Larkin[illegible]

1988[illegible]p.167[illegible]60[illegible] *Lady Chatterley's Lover* [illegible] marihuana [illegible] 60 [illegible]

[illegible] 60 [illegible] 70 [illegible] Duberman et al[illegible] 1989[illegible]p.460[illegible]

[illegible]“[illegible]”[illegible]new libertarianism[illegible][4] [illegible]

[illegible] 90 [illegible] 60 [illegible] Arlacchi[illegible]1983[illegible]pp.215[illegible]208[illegible]

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20[illegible]

[illegible]

[illegible]80[illegible]“[illegible]”[illegible]20[illegible]“[illegible]”[illegible]20[illegible]80[illegible]

[illegible]

[illegible]90[illegible]80[illegible]——[illegible]——[illegible]

[illegible]

[illegible]“[illegible]”[illegible][5]
[illegible]neo-classical[illegible]
[illegible]“[illegible]”（There is no society，only individuals.）

[illegible]70[illegible]—[illegible]“[illegible]”[illegible]1991[illegible]——[illegible]10[illegible]1[illegible]——[illegible]15%[illegible]Walker，1991；Human Development，1991，p.32，Fig.2.10[illegible]

[illegible]20[illegible]60[illegible]Quebec[illegible]80%[illegible]20%[illegible]Bernier[illegible]Boily，1986[illegible]19[illegible]20[illegible]

[illegible]19[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”（Chandler，1977[illegible]“[illegible]”[illegible][6][illegible]——[illegible]17[illegible]Quakers[illegible]

Huguenots 20 Calabrian Ciconte 1992 pp.361—362

[7] 60 “ ”

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20 “ ” “ ” Goody 1968 p.402—403 *Gemeinschaft* *Gesellschaft* ——

[illegible]20[illegible]80[illegible]“[illegible]”（underclass）[8][illegible]90[illegible]Peter Glotz[illegible]“[illegible]”（the Two-Thirds Society）[illegible]“[illegible]”[illegible]“[illegible]”（under world）[illegible]“[illegible]”[illegible]

[illegible]Negro）[9][illegible]“[illegible]”[illegible]19[illegible]20[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]——[illegible]

[illegible]“[illegible]”[illegible]80[illegible]60%[illegible]20%[illegible]40%[illegible]10%[illegible]UN World Social Situation，1984，p.84[illegible]20[illegible]20[illegible]

[illegible]“[illegible]”（identity politics）[illegible]60[illegible]

[illegible]——[illegible]“[illegible]”[illegible]——[illegible]

[illegible]80[illegible]

[illegible]·[illegible]“[illegible]”（the habit of labour[illegible]“[illegible]”[illegible]“[illegible]”[illegible]（take over[illegible]80[illegible]

[illegible]（Karl Polanyi[illegible]19[illegible]19[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”（Polanyi，1945，pp.50—51[illegible]·[illegible]

[illegible]——[illegible]——[illegible]70[illegible]80[illegible]

[illegible]“[illegible]”[illegible]20[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[1] 30%[illegible]19%[illegible]16%—17%[illegible]85%[illegible]

[2] [illegible]Eton[illegible]50[illegible]

[3] [illegible]Chico Buarque de Holanda[illegible]30[illegible]

[4] [illegible]“[illegible]”[illegible]Rakunin[illegible]Kropotkin[illegible]“[illegible]”[illegible]60[illegible]70[illegible]

[5] [illegible]

[6] [illegible]

[7] [illegible]“[illegible]”[illegible]

[8] [illegible]19[illegible]“[illegible]”[illegible]residuum[illegible]

[9] [illegible]“[illegible]”[illegible]African-American[illegible]Coloured[illegible]Negro[illegible]Black[illegible]

[illegible]　[illegible]

[illegible]“[illegible]”[illegible]

——[illegible]·[illegible]Russell Pasha[illegible]1949[illegible]

[illegible]……[illegible]“[illegible]”[illegible]

——[illegible]·[illegible]M.b.Abdul Rahim[illegible]1973[illegible]

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[illegible]5[illegible]1939[illegible]50[illegible]19[illegible]20[illegible]

[illegible]16[illegible]1750[illegible]20%[illegible]1900[illegible]“[illegible]”[illegible]20[illegible]“[illegible]”[illegible]“[illegible]”[illegible]80[illegible]15%[illegible]“[illegible]”[illegible]

[illegible]21[illegible]100[illegible][1][illegible]20[illegible]“[illegible]”[illegible]1950[illegible]40[illegible]30[illegible]

[illegible]60%[illegible]15[illegible]

[illegible]“[illegible]”[illegible]40[illegible]——[illegible]19[illegible]Kelley[illegible]1980[illegible]p.168[illegible]“[illegible]”[illegible]40[illegible]1944[illegible]25[illegible]——[illegible]30[illegible]

[illegible]“[illegible]”[illegible]demographic transition[illegible]“[illegible]”[illegible]“[illegible]20[illegible]”[illegible]——[illegible]——[illegible]70[illegible]

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[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible][2]

“ ” “ ” 80 Benin

1945 —— “ ” “ ”

1914

1931 Curzio Malaparte Machiavelli *Coup d’État* 20

[illegible]1981[illegible]
70[illegible]50[illegible]
70[illegible]
1967[illegible]1944—
1949[illegible]7[illegible]

[illegible]

[illegible]“[illegible]”[illegible]Leguía[illegible]“[illegible]”[illegible]1945[illegible]

[illegible]1938[illegible]“[illegible]”[illegible]——
1950[illegible]Arabian American Oil Company[illegible]

Saudi Aramco[illegible]——[illegible]70[illegible]“[illegible]”[illegible]——[illegible]“[illegible]”[illegible]“[illegible]”——[illegible]80[illegible]

[illegible]“[illegible]”[illegible]60[illegible]1972[illegible]1966[illegible]

[illegible]70[illegible]Newly Industrialized Countries[illegible]NICs[illegible]7%[illegible]20[illegible]19[illegible]Harris[illegible]1987[illegible]pp.84—85[illegible]50[illegible]60[illegible]90[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]——[illegible]“[illegible]”[illegible]“[illegible]”[illegible] [3]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]104[illegible]68[illegible]Telengana[illegible]106[illegible]97[illegible]50[illegible]Hodgkin[illegible]1961[illegible]p.29[illegible]Gray[illegible]1970[illegible]p.135[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Swahili[illegible]Bahasa[illegible]1967[illegible]Hyderabad[illegible]34[illegible]3[illegible]Bernstorff[illegible]1970[illegible]p.146[illegible]

[illegible] [4] [illegible]

——[illegible]——[illegible]60[illegible]Uganda[illegible]112[illegible]10[illegible]1[illegible]UN World Social Situation[illegible]1970[illegible]p.66[illegible]

[illegible]“[illegible]”1962[illegible]Mapuche Indians[illegible]“[illegible]”[illegible]50[illegible]“[illegible]”[illegible]Quechua[illegible]Julca[illegible]1992[illegible]

[illegible]60[illegible]

[illegible]10[illegible]10[illegible]1945—1950[illegible]——[illegible]1949[illegible]1952[illegible]1952[illegible]1910[illegible]30[illegible]*agrarismo*[illegible]

[illegible]“[illegible]”[illegible]

[illegible]1952[illegible]1958[illegible]Land Reform[illegible]1968[illegible]pp.570—575[illegible]1945[illegible]Tanganyika[illegible]“[illegible]”[illegible]

[illegible]Kakwani[illegible]1980[illegible]“[illegible]”[illegible]——[illegible]

[illegible]——[illegible]1969[illegible]haciendas[illegible]“[illegible]”[illegible]Hobsbawm[illegible]1974[illegible]*comunidades* [illegible]

[illegible]“[illegible]”[illegible]（Gómez Rodríguez，pp.242—255）[illegible]30[illegible]ejidos[illegible]

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[illegible]“[illegible]”[illegible]——[illegible]1952[illegible]（Harris，1987，p.18）——[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Gabon[illegible]Papua-New Guinea[illegible]“[illegible]”[illegible][5][illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——1955[illegible]Bandung[illegible]——[illegible]Royal Buddhist Socialism[illegible]1958[illegible]——[illegible]“[illegible]”（Central Treaty Organization，CENTO）——[illegible]“[illegible]”（South-East Asia Treaty Organization，SEATO）[illegible]“[illegible]”[illegible]1959[illegible]

[illegible]

[illegible]——[illegible]80[illegible]1962[illegible]1965[illegible]1971[illegible]——[illegible]——1952[illegible]50[illegible]60[illegible]60[illegible]70[illegible]1979[illegible]——[illegible]

[illegible]Calvocoressi[illegible]1989[illegible]p.215[illegible]70[illegible]1948[illegible]10[illegible]1948[illegible]1956[illegible]1967[illegible]1973[illegible]1982[illegible]18[illegible]FrederickⅡ[illegible]Silesia[illegible]

[illegible]Kurds[illegible]——1918[illegible]80[illegible]

[illegible]1974[illegible]Cyprus[illegible]8[illegible]1980—1988[illegible]1991[illegible]

[illegible]——[illegible]British Honduras[illegible]Belize[illegible]——[illegible]1861[illegible]Zapotec[illegible]

[illegible]“[illegible]”[illegible]——[illegible]Cape Horn[illegible]1948[illegible]Organization of American States[illegible]OAS[illegible]

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[illegible]70[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]” [6] [illegible]“[illegible]”[illegible]“[illegible]”[illegible]1970[illegible]14.5[illegible]1990[illegible]24[illegible]*World Tables* [illegible]1991[illegible]Table1[illegible]

[illegible]“[illegible]”[illegible]1973[illegible]

[illegible]50[illegible]1975[illegible]13000[illegible]*World Tables*[illegible]1991[illegible]pp.595[illegible]604[illegible]——[illegible]130[illegible][7][illegible]90[illegible]

[illegible]——[illegible]1989[illegible]*World Bank Atlas*[illegible]1990[illegible]p.7[illegible]1969[illegible]70[illegible]5[illegible]World Tables[illegible]pp.352[illegible]456[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]70[illegible]

[illegible]70[illegible]“[illegible]”[illegible]

[illegible]60[illegible]1973[illegible]20[illegible]50[illegible]80%[illegible]Rado[illegible]1962[illegible]pp.740[illegible]742—743[illegible]1962[illegible]80[illegible]

[illegible]“[illegible]”[illegible]1989[illegible]

330 30

3

8 8

18280 55

World Bank Atlas 1990 p.10

—— ——

[8]

80 1985

1600 300 700 200

300 200 Din 1989 p.545

1968

1975 5.5%

——

Population 1984 pp.109

70 80

—— ——

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“ ” —— ——

[9]

[illegible]——[illegible]——[illegible]

[illegible]“[illegible]”[illegible]Julca[illegible]1992.[illegible]*huayno* [illegible]

[illegible]

[illegible]

[illegible]“[illegible]”[illegible]

[illegible]

[illegible][10]

[illegible]Mangin[illegible]1970[illegible]pp.31—32.[illegible]

[illegible]60[illegible]“[illegible]”[illegible]“[illegible]”[illegible]70[illegible]FARC[illegible]

[illegible]yucca[illegible]

[illegible]“[illegible]”[illegible]10%—15%[illegible]（Ripken and Wellmer，1978，p.196[illegible]60[illegible]（Smith，1989，chapter4[illegible]“[illegible]”[illegible]

[illegible]20[illegible]50[illegible]60[illegible]70[illegible]（Manuel，1988，pp.86，97—101[illegible]“[illegible]”[illegible]Galvicoressi，1989，p.377[illegible]1960[illegible]

[illegible]50[illegible]60[illegible]70[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Uzbeks[illegible]Tadjiks[illegible]70[illegible]1930[illegible]90[illegible]“[illegible]Chechnia[illegible]”[illegible]Trofimov[illegible]Djangava[illegible]1993.[illegible]

[illegible]“[illegible]……[illegible]”[illegible]Harden[illegible]1990[illegible]p.67.[illegible]

[illegible]——[illegible]——[illegible]19[illegible]

[illegible]80[illegible]Spencer[illegible]1990[illegible]“[illegible]”[illegible]“[illegible]”[illegible]70[illegible]

[illegible]100[illegible]——[illegible]García Márquez[illegible]90[illegible]

[illegible]“[illegible]”[illegible]1914[illegible]80[illegible]Workers’Party[illegible]PT[illegible][11]

[illegible]80[illegible]

[illegible]

[illegible]“[illegible]”[illegible]

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[1] [illegible]20[illegible]200[illegible]10[illegible]10[illegible]130[illegible]10[illegible]35[illegible]10[illegible]15[illegible]20[illegible]80[illegible]52[illegible]

[2] [illegible]“[illegible]”[illegible]people’s[illegible]“[illegible]”[illegible]popular[illegible]“[illegible]”[illegible]“[illegible]”[illegible]PDR Yemen[illegible]Guyana[illegible]“[illegible]”[illegible]cooperative republic[illegible]

[3] [illegible]

[4] [illegible]80[illegible]Mali[illegible]Rwanda[illegible]World Labour[illegible]1989[illegible]p.49[illegible]

[5] [illegible]1929[illegible]

[6] OECD[illegible]“[illegible]”[illegible]

[7] [illegible]“[illegible]”

[8] [illegible]20[illegible]5%[illegible]200[illegible]2000[illegible]2[illegible]Holman[illegible]1993.[illegible]

[9] [illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[10] [illegible]“[illegible]”[illegible]Nwoga[illegible]1965[illegible]pp.178—179.[illegible]

[11] [illegible]

[illegible] “[illegible]”

[illegible]……[illegible]

——[illegible]Göran Therborn[illegible]1985[illegible]p.227[illegible]

[illegible]……[illegible]“[illegible]”[illegible]second economy[illegible]“[illegible]”[illegible]

——[illegible]Moshe Lewin in Kerblay[illegible]1983[illegible]p.xxii[illegible]

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[illegible]20[illegible]1914[illegible]20[illegible]90[illegible]1917[illegible]20[illegible]

1945[illegible]Elbe[illegible]“[illegible]”[illegible]1917[illegible]1939—1945[illegible]1949[illegible]1945[illegible]

[illegible]30[illegible]1945—1975[illegible]1959[illegible]70[illegible]1950[illegible]5800[illegible]180[illegible]3600[illegible]

[illegible]60[illegible]“[illegible]”——[illegible]80[illegible]90[illegible]

[illegible]4%[illegible]“[illegible]”[illegible]80[illegible]60[illegible]1965[illegible][1][illegible]UN International Trade[illegible]1983[illegible]vol.1[illegible]p.1046[illegible]

60[illegible]“[illegible]”[illegible]——[illegible]“[illegible]”[illegible]1940[illegible]70[illegible]80[illegible]——[illegible]

[illegible]“[illegible]”[illegible]1933[illegible]1929[illegible]

[illegible]30[illegible]1945[illegible]70[illegible]80[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]“[illegible]”[illegible]“[illegible]”“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1917—1918[illegible]——[illegible]——[illegible]1919[illegible]

[illegible]——[illegible]——[illegible]“[illegible]”[illegible]——[illegible]30[illegible]15[illegible]“[illegible]”[illegible]50[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1917[illegible]1918[illegible]“[illegible]”[illegible]War Communism[illegible]——[illegible]——[illegible]1914—1918[illegible]Nikolai Bukharin[illegible]1918—1920[illegible]1913[illegible]420[illegible]20[illegible]

[illegible]1921[illegible]“[illegible]”[illegible]New Economic Policy[illegible]NEP[illegible]——[illegible]——[illegible]“[illegible]”[illegible]“[illegible]”[illegible]State Capitalism[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]the State Commission for the Electrification of Russia[illegible]1920[illegible]1921[illegible]“[illegible]”[illegible]State Planning Commission[illegible]Gosplan[illegible]20[illegible]

“[illegible]”[illegible]20[illegible]80[illegible]——[illegible]20[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

1922[illegible]1924[illegible]“[illegible]”[illegible]80[illegible]“[illegible]”[illegible]20[illegible]

[illegible]“[illegible]”[illegible]200[illegible]1917—1918[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]1920[illegible]1926[illegible]——[illegible]1913[illegible]82%[illegible]Bergson/Levine[illegible]1983[illegible]p.100[illegible]Nove[illegible]1969[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]60[illegible]“[illegible]”[illegible]——[illegible]“[illegible]”[illegible]

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[illegible]——[illegible]——[illegible]·[illegible]David Low[illegible]30[illegible]“[illegible]”[illegible][2]

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[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]——[illegible]”（military-industrial complex）[illegible][5][illegible]“[illegible]”[illegible]“[illegible]”[illegible]40[illegible]70[illegible]60[illegible]70[illegible]200[illegible]70[illegible]“[illegible]”（Alexeev，1990）[illegible]

[illegible]1913[illegible]9.4%[illegible]“[illegible]”[illegible]6%[illegible]14.6%[illegible]（Bolotin，1987，p.148—152）[illegible]1944[illegible]

[illegible]——[illegible]——[illegible]19[illegible][6][illegible]

[illegible]——[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1917[illegible]

[illegible]1917—1921[illegible]1921[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”（Second International）[illegible]1919[illegible]（Austro-Marxists）[illegible]——[illegible]（Eduard Bernstein）[illegible]“[illegible]”（revisionism）[illegible]1917[illegible]

[illegible]——[illegible]——[illegible]——[illegible]“[illegible]”[illegible]1917[illegible]——[illegible]

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[8] Suetonius *Lives of the Caesars*

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30[illegible]20[illegible]1934—1939[illegible]1939[illegible]1934[illegible]1827[illegible]37[illegible]Kerblay[illegible]1983[illegible]p.245[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]Clausewitz[illegible]“[illegible]”[illegible]Blanquist[illegible]“[illegible]”[illegible]“[illegible]”[illegible]19[illegible]

[illegible]50[illegible]80[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]Kerblay[illegible]1983[illegible]p.26.[illegible]1937[illegible][10][illegible]“[illegible]”[illegible]1000[illegible]2000[illegible]1937[illegible]1.64[illegible]1933—1938[illegible]1670[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]20[illegible]“[illegible]”[illegible]“[illegible]”[illegible]George Orwell[illegible]1984[illegible]1948[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1984[illegible]1953[illegible]“[illegible]”[illegible]

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[illegible]“[illegible]”[illegible]50[illegible]——[illegible]Ilya Ehrenburg[illegible]1891—1967[illegible]60[illegible]70[illegible]“[illegible]”[illegible]monolithic[illegible]——[illegible]80[illegible]

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[illegible]1939—1940[illegible]1954[illegible]1945[illegible]

[illegible]1949[illegible]30[illegible]50[illegible]——[illegible]1948[illegible]

[illegible]1953[illegible]1956[illegible]“[illegible]”[illegible]——[illegible]——[illegible]Imre Nagy[illegible]1956[illegible]11[illegible]

[illegible]50[illegible]60[illegible][11][illegible]

[illegible]

[illegible]1956[illegible]Poznan[illegible]80[illegible]

1956[illegible]János Kádár[illegible]1912—1989[illegible]

1956[illegible]80[illegible]

[illegible]50[illegible]60[illegible]1968[illegible]Alexander Dubček[illegible]

[illegible]60[illegible]1941[illegible]

[illegible]1968[illegible]“[illegible]”[illegible]Prague Spring[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1965[illegible]

[illegible]——[illegible]1956[illegible]——[illegible]20[illegible]20[illegible]

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[1] [illegible]

[2] “[illegible]”[illegible]Dyker[illegible]1985[illegible]p.9.[illegible]

[3] [illegible]“[illegible]”[illegible]

[4] [illegible]80[illegible]3[illegible]FAO Production[illegible]1986[illegible]FAO Trade[illegible]Vol.40[illegible]1986[illegible]

[5] [illegible]Vernikov[illegible]1989[illegible]p.7.[illegible]1986[illegible]

[6] [illegible]“[illegible]”[illegible]1936[illegible]1917[illegible]

[7] [illegible]

[8] [illegible]1957[illegible]5.3[illegible]

[9] [illegible]1939[illegible]Short History[illegible]

[10] [illegible]Kosinski[illegible]1987[illegible]pp.151—152[illegible]

[11] 50[illegible]——[illegible]1952[illegible]1958[illegible]——[illegible]

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[illegible]NCR[illegible]

——[illegible]Jonathan Schell[illegible]NY Newsday[illegible]1993[illegible]

[illegible]10[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

——[illegible]Investing[illegible]1983[illegible]p.15[illegible]

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1973[illegible]20[illegible]80[illegible]——[illegible]“[illegible]”[illegible]——[illegible]“[illegible]”[illegible]recessions[illegible]“[illegible]”[illegible]depression[illegible]“[illegible]”[illegible]slump[illegible]80[illegible]“[illegible]”[illegible]“50[illegible]”[illegible]30[illegible]90[illegible]30[illegible]

[illegible]——[illegible]

[illegible]World Economic Survey[illegible]1989[illegible]pp.10—11[illegible]——[illegible]“[illegible]”[illegible]inventory cycle[illegible]——[illegible]“[illegible]”[illegible]just in time[illegible]“[illegible]”[illegible]70[illegible]“[illegible]”[illegible]·[illegible]Benetton[illegible]——[illegible]transfer payments[illegible]——[illegible]“[illegible]20[illegible]”[illegible]——[illegible]——[illegible]

[illegible]70[illegible]90[illegible]20[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1987[illegible]1992[illegible]Temin[illegible]1993[illegible]p.99[illegible]1973[illegible]1873[illegible]20[illegible]30[illegible]“[illegible]”[illegible]1873[illegible]——[illegible]1973—1975[illegible]13%[illegible]Armstrong[illegible]Glyn[illegible]1991[illegible]p.225[illegible]“[illegible]”[illegible]60[illegible]1991[illegible]1973—1975[illegible]1981—1983[illegible]OECD[illegible]1993[illegible]pp.18—19[illegible]80[illegible]“[illegible]20[illegible]”[illegible]70[illegible]

[illegible]80[illegible]10[illegible]UN[illegible]World Economic Survey[illegible]1989[illegible]pp.8[illegible]26[illegible]80[illegible]“[illegible]”[illegible]80[illegible]1989[illegible]“[illegible]”[illegible]90[illegible]1990[illegible]1993[illegible]4[illegible]17%[illegible]1990—1991[illegible]

19%[illegible]1991—1992[illegible]11%[illegible]1992—1993[illegible]90[illegible]1988—1992[illegible]21%[illegible]20%[illegible]1992[illegible]1989[illegible]Financial Times[illegible]1994[illegible]2[illegible]24[illegible]EIB papers[illegible]November1992[illegible]p.10[illegible]

[illegible]70[illegible]“[illegible]”[illegible]——[illegible]90[illegible]“[illegible]”[illegible]1973[illegible]1974—1975[illegible]1980—1982[illegible]80[illegible]“[illegible]”[illegible]60[illegible]1.5%[illegible]70[illegible]4.2%[illegible]Van der Wee[illegible]p.77[illegible]80[illegible]9.2%[illegible]1993[illegible]11%[illegible]Human Development[illegible]1991[illegible]p.184[illegible][1]

[illegible]80[illegible]“[illegible]”[illegible]——[illegible]1993[illegible]23000[illegible]——[illegible]1993[illegible]5[illegible]3%[illegible]*New York Times*[illegible]1993[illegible]11[illegible]16[illegible]1989[illegible]40[illegible]“[illegible]”[illegible]UN Human Development[illegible]1992[illegible]p.31[illegible]50[illegible]70[illegible]

[illegible]“[illegible]”[illegible]——[illegible]20%[illegible]20%[illegible]8—10[illegible]10%[illegible]20%—25%[illegible]Botswana[illegible][2][illegible]

[illegible]“[illegible]”[illegible]20%[illegible]2.5%[illegible]20%[illegible]10%[illegible]UN World Development[illegible]1992[illegible]pp.276—277[illegible]Human Development[illegible]1991[illegible]pp.152—153[illegible]186[illegible][3]

[illegible]“[illegible]20[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1967—1990[illegible]5000[illegible]5[illegible]New York Times[illegible]1992[illegible]9[illegible]25[illegible]1973[illegible]——[illegible]——[illegible][4][illegible]

[illegible]70[illegible]——[illegible]——[illegible]90[illegible]1990—1993[illegible]20[illegible]20[illegible]

[illegible]70[illegible]10[illegible]——[illegible]——[illegible]70[illegible]1974[illegible]1976[illegible]

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[illegible]1970[illegible]“[illegible]”[illegible]——[illegible]“[illegible]”[illegible]80[illegible]balance-of-payments[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[illegible]——[illegible]1989[illegible]“[illegible]”[illegible]——[illegible]balanced budgets[illegible]——[illegible]“[illegible]”[illegible]monetarism[illegible]

[illegible]1979—1982[illegible]1984[illegible]Kuttner[illegible]1991[illegible]pp.88—94[illegible]90[illegible]“[illegible]”[illegible]

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[illegible]“[illegible]”[illegible]rust-belts[illegible]——[illegible]——[illegible]80[illegible]7[illegible][8][illegible]24%[illegible]15%[illegible]Juárez[illegible]El Paso[illegible]

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[illegible]Technology[illegible]1986[illegible]pp.7—9[illegible]335[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]parallel[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]ghetto[illegible][9][illegible]“[illegible]”[illegible]black economy[illegible]90[illegible]2200[illegible]100[illegible]460[illegible]“[illegible]”[illegible]Financial Times[illegible]1993[illegible]10[illegible]18[illegible]

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developed□□□□□□□□□□□□□□□□□□□□□□□□9%□□□□5%[14]
□UN Human Development□1991□Table6.□□

[illegible] 1945 [illegible] 20 [illegible] “[illegible]” [illegible] “[illegible]” [illegible] —— [illegible] —— [illegible] “[illegible]” [illegible] “[illegible]” [illegible]

[illegible] —— [illegible] 1970 [illegible] —— [illegible] 70 [illegible] 1991 [illegible] new and nominally national states [illegible] 20 [illegible] 90 [illegible] 80 [illegible] 90 [illegible]

[illegible] 20 [illegible] —— [illegible] 1918 [illegible] “[illegible]” [illegible] —— [illegible] —— [illegible] [15] [illegible]

[illegible] 20 [illegible] 19 [illegible] 20 [illegible] 80 [illegible] —— [illegible] —— [illegible] 20 [illegible] —— [illegible]

[illegible]——[illegible]——[illegible]Fiat[illegible]——[illegible]——[illegible]——[illegible]——[illegible]——[illegible]——[illegible]——[illegible]Chartres Cathedral[illegible]Tai Mahal[illegible]

[illegible]“[illegible]”[illegible]1993[illegible]“[illegible]”[illegible]North American Free Trade Area[illegible]NAFTA[illegible]1990[illegible]2[illegible][16][illegible]“[illegible]”[illegible]inner city[illegible]Santa Monica[illegible]Malibu[illegible]90[illegible]Staten Island[illegible]

[illegible]20[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Rio Grande do Sul[illegible]80[illegible]——[illegible]——[illegible]“[illegible]”[illegible]

[illegible]20[illegible]“[illegible]”[illegible]community[illegible]——[illegible]“[illegible]”“[illegible]”[illegible]——[illegible]“[illegible]”[illegible]identity group[illegible]“[illegible]”[illegible]“[illegible]”[illegible]60[illegible]“[illegible]”[illegible]the queer nation[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible][17][illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]60[illegible]“[illegible]”[illegible]Ignatieff[illegible]1993[illegible]pp.115—117[illegible]Lieberson[illegible]Waters[illegible]1988[illegible]p.173[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Croat[illegible]Serb[illegible]“[illegible]”[illegible]

[illegible]Brooklyn[illegible][18][illegible]

Chassidic “ ” “ ”

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1945 20

20 80 365 4615 70 Held 1988 p.15 80 1925

20 80 “ ” 90 “ ” “ ” 70 90

[illegible]4[illegible]20[illegible]——[illegible]“[illegible]”[illegible]Group of Seven[illegible]“[illegible]”[illegible]70[illegible]1989[illegible]80[illegible]——[illegible]——[illegible]

[illegible]20[illegible]

[illegible]50[illegible]

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[1] 1960—1975[illegible]“[illegible]”[illegible]15[illegible]20[illegible]2900[illegible]1970—1990[illegible]600[illegible]80[illegible]1982—1988[illegible]20%[illegible]40%[illegible]46%[illegible]World Economic Survey[illegible]1989[illegible]pp.15—16[illegible]

[2] [illegible]Gini coefficient[illegible]0.6[illegible]0.0[illegible]1.0[illegible]1967—1985[illegible]0.62[illegible]0.66[illegible]UN Human Development[illegible]1990[illegible]pp.158—159[illegible]

[3] [illegible]

[4] 1972[illegible]14[illegible]48%[illegible]1990[illegible]51%[illegible]14[illegible]UN World Development[illegible]1992[illegible]Table II[illegible]

[5] [illegible]1969[illegible]1974[illegible]“[illegible]”[illegible]

[6] 90[illegible]HIV[illegible]Aids virus[illegible]

[7] 80[illegible]20%[illegible]20%[illegible]4.3[illegible]8[illegible]6[illegible]8.9[illegible]Kidron/Segal[illegible]1991[illegible]pp.36—37[illegible]1990[illegible]93[illegible]10[illegible]59[illegible]——[illegible]33[illegible]——[illegible]9[illegible]

[8] [illegible]7[illegible]Piel[illegible]1992[illegible]pp.286—289[illegible]

[9] [illegible]

[10] “[illegible]……[illegible]”

[11] [illegible]1993[illegible]“[illegible]”

[12] [illegible]90[illegible]1000[illegible]2[illegible]——3[illegible]

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[14] “[illegible]”[illegible]300[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]international Purchasing power parities[illegible]“[illegible]”[illegible]

[15] [illegible]1865[illegible]——[illegible]

[16] [illegible]1990[illegible]

[17] [illegible]“[illegible]”[illegible]long-distance nationalism[illegible]

[18] [illegible]Calabrian[illegible]

[illegible]

1974[illegible]1[illegible]Beleta Abebe[illegible]Gode[illegible]……[illegible]

——[illegible]

[illegible]Ryszard Kapus’cińs ki[illegible]*The Emperor*[illegible]1983[illegible]p.120[illegible]

[illegible]80[illegible]

[illegible]Las Voz[illegible]

——“[illegible]”[illegible]Tiempos[illegible]1990[illegible]p.198[illegible]

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[illegible]——[illegible]——[illegible]1950[illegible]Malawi[illegible]Dr.Banda[illegible]——[illegible]Nyasaland[illegible]——[illegible]1994[illegible]

[illegible]·[illegible]M.Felix HouphouetBoigny[illegible]
[illegible]

[illegible]“[illegible]”[illegible]19[illegible]1945—1983[illegible]100[illegible]“[illegible]”[illegible]1900[illegible]——[illegible]2000[illegible]——[illegible]900[illegible]350[illegible]250[illegible]50[illegible]1980—1988[illegible]UN World Social Situation[illegible]1985[illegible]p.14[illegible]1950—1953[illegible]3000[illegible]Halliday[illegible]Cumings[illegible]1988[illegible]pp.200—201[illegible]30[illegible]1945—1975[illegible]5[illegible]200[illegible]1980—1988[illegible]150[illegible]2300[illegible]1200[illegible]UN[illegible]Africa[illegible]1989[illegible]p.6[illegible]

[illegible]——[illegible]1920[illegible]50[illegible]1965[illegible]50[illegible]——[illegible]

[illegible]1956—1964[illegible]“[illegible]”[illegible]1959[illegible]1962[illegible]“[illegible]”“[illegible]”[illegible]“[illegible]”[illegible]Modibo Keita[illegible]

[illegible]Patrice Lumumba[illegible]1960[illegible]“[illegible]”[illegible]People’s Friendship University[illegible]“[illegible]”[illegible][1][illegible]70[illegible]70[illegible]

[illegible]1960[illegible]——[illegible]——[illegible]pre-capitalism[illegible]“[illegible]”[illegible]30[illegible]60[illegible]1970[illegible]1964[illegible]1965[illegible]1973[illegible]

[illegible]Bell[illegible]1960[illegible]50[illegible]——[illegible]——[illegible]19[illegible]20[illegible]“[illegible]”[illegible]World Council of Churches[illegible]20[illegible]

[illegible]1945[illegible]——[illegible]——[illegible]32[illegible]1970[illegible]“[illegible]”[illegible]3[illegible]——40[illegible]50[illegible]1969[illegible]——[illegible]Laqueur[illegible]1977[illegible]p.442[illegible]1974[illegible]1952[illegible]60[illegible]70[illegible]1979[illegible]20[illegible]1959[illegible]——[illegible]Che Guevara[illegible]1928—1967[illegible]——[illegible]

50[illegible]——[illegible]——[illegible]Thomas[illegible]1971[illegible]p.1040[illegible]——[illegible]1959[illegible]1[illegible]1[illegible]——[illegible]“[illegible]”——[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Havana University[illegible]Fulgencio Batista[illegible]——[illegible]1933[illegible]1952[illegible]1953[illegible]——[illegible]148[illegible]300[illegible]1958[illegible]12[illegible]Thomas[illegible]1971[illegible]pp.997[illegible]1020[illegible]1024[illegible]1958[illegible]——[illegible]——[illegible]“[illegible]”[illegible]——[illegible]

[illegible]“[illegible]20[illegible]”[illegible]

50[illegible]Bolívar[illegible]José Martí[illegible]1917[illegible]“[illegible]”——[illegible]——[illegible]“[illegible]”——[illegible]Profirio Díaz[illegible]——[illegible]——[illegible]——[illegible]1954[illegible]——[illegible]

[illegible]10[illegible]——[illegible]——[illegible]1960[illegible]3[illegible]1961[illegible]the Bay of Pigs[illegible]Key West[illegible]

[illegible]10[illegible]——[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”（focus）[illegible]（Debray，1965）。

[illegible]——[illegible]（Camilo Torres）[illegible]1964[illegible]“[illegible]”（Armed Forces of the Columbian Revolution，FARC）[illegible]80[illegible]“[illegible]”[illegible]

[illegible]——“[illegible]”[illegible]60[illegible][2][illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]1973[illegible]（Garrero Blanco）[illegible]（Aldo Moro）[illegible]1978[illegible]（Red Brigades）[illegible]——[illegible]

[illegible]60[illegible]——[illegible]1948[illegible]——[illegible]1955[illegible]1973[illegible]1982[illegible]

[illegible]1964[illegible]1883—1954[illegible]60[illegible]60[illegible]70[illegible]1985[illegible]——[illegible]“[illegible]”[illegible]30[illegible]Salvador Allende[illegible]1970[illegible]1973[illegible]1970[illegible]——[illegible]17[illegible]

1964[illegible]15[illegible]“[illegible]”[illegible]1972[illegible]“[illegible]”[illegible]Broad Left[illegible]1985[illegible]

[illegible]——[illegible]——[illegible]Woodstock[illegible]1969[illegible]“[illegible]”[illegible]Chapple and Garofalo[illegible]1977[illegible]p.144[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1968[illegible]——[illegible]Marcuse[illegible]1965[illegible]*The Wretched of the Earth*[illegible]

[illegible]60[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]16[illegible]20[illegible]

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[illegible]——[illegible]——[illegible]1968—1969[illegible]——[illegible]——[illegible]1968[illegible]5[illegible]1968[illegible]——[illegible]28[illegible]200[illegible]González Casanova[illegible]1975[illegible]vol.Ⅱ[illegible]p.564[illegible]——[illegible]

[illegible]1968[illegible]1969[illegible]“[illegible]”[illegible]20[illegible]1968[illegible]5[illegible]L.B.Johnson[illegible]“[illegible]”[illegible]

[illegible]——[illegible]

[illegible]——[illegible]——[illegible]“[illegible]”[illegible]70[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]70[illegible]“[illegible]”[illegible]——[illegible]“[illegible]”[illegible][3][illegible]“[illegible]”[illegible]Amnesty International[illegible]

60[illegible]1789—1917[illegible]——[illegible]60[illegible]——[illegible]——1968[illegible]——[illegible]60[illegible]

[illegible]Sorbonne[illegible]Berkeley[illegible]Marshall McLuhan[illegible]60[illegible]

[illegible]1917[illegible]Raymond Aron[illegible]“1968[illegible]5[illegible]”[illegible]psychodrama[illegible]

[illegible]——[illegible]“[illegible]”[illegible]——[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]——[illegible]“[illegible]”[illegible]damned of the earth[illegible]——[illegible]——[illegible]“[illegible]”[illegible]

[illegible]60[illegible]——[illegible]——[illegible]70[illegible]“[illegible]”[illegible]United Arab Republic[illegible]1958—1961[illegible]“[illegible]”[illegible]

[illegible]1956[illegible]1956[illegible]

[illegible]

[illegible]1956—1968[illegible]1958—1960[illegible]1947[illegible]“[illegible]”[illegible][4][illegible]1968[illegible]“[illegible]”[illegible]——[illegible]“[illegible]”[illegible]Eurocommunism[illegible]Socialist International[illegible]1951[illegible]

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1917[illegible]10[illegible]——[illegible]1793[illegible]——[illegible]70[illegible]80[illegible]1989[illegible]

70[illegible]1974[illegible]4[illegible]1975[illegible]

[illegible]60[illegible]Amilcar Cabral[illegible]60[illegible]“[illegible]”[illegible]apartheid[illegible]——[illegible]“[illegible]”[illegible]Sharpeville[illegible]——[illegible]60[illegible]70[illegible]

[illegible]1975[illegible]

[illegible]

[illegible]1974[illegible]1991[illegible]

[illegible]Dahomey[illegible]“[illegible]”[illegible]1975[illegible]Malagasy[illegible]“[illegible]”[illegible]——[illegible]Mobutu[illegible]Zimbabwe[illegible]11[illegible]1976[illegible]1980[illegible]

[illegible]1917[illegible]——[illegible]——[illegible]——[illegible]Zulus[illegible]——[illegible]“[illegible]”[illegible]——[illegible]

[illegible]

70[illegible]1979[illegible]Somoza[illegible]Torrijos[illegible]1983[illegible]Grenada[illegible]

[illegible]60[illegible]1980—1988[illegible][5][illegible]1968[illegible]“[illegible]”[illegible]——[illegible]——[illegible]

[illegible]70[illegible]——[illegible]70[illegible]——[illegible]1975[illegible]Goliath[illegible]1973[illegible]1991[illegible]

[illegible]70[illegible]“[illegible]”[illegible]Halliday[illegible]1983[illegible]——[illegible]——[illegible]1977[illegible]National Union for the Total Independence of Angola[illegible]UNITA[illegible]“[illegible]”[illegible]1982[illegible]

[illegible]“[illegible]”[illegible]1980[illegible]80[illegible]“[illegible]”[illegible]70[illegible]——[illegible]

[illegible]1979[illegible]70[illegible]20[illegible]1973[illegible]Teheran[illegible]180[illegible]1960[illegible]600[illegible]60[illegible]70[illegible]70[illegible]

[illegible]——[illegible]——[illegible]

[illegible]——[illegible]

[illegible]1953[illegible]Pahlavis[illegible]Reza Shah[illegible]1925[illegible]60[illegible]70[illegible]——[illegible]——[illegible]——[illegible]1789[illegible]1917[illegible]——[illegible]

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[illegible]Ayatollah Ruholla Khomeini[illegible]Qum[illegible]60[illegible]70[illegible]

[illegible]——[illegible]——[illegible]1978[illegible]1979[illegible]1[illegible]16[illegible]

[illegible]1789[illegible]——[illegible]——[illegible]7[illegible]——[illegible]hijra[illegible]Pius IX[illegible]1848[illegible]

[illegible]70[illegible]1979—1982[illegible][6][illegible]1789[illegible]1917[illegible]

[illegible]80[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

20[illegible]1917—1918[illegible]——[illegible]20[illegible]“[illegible]”[illegible]1968[illegible]125[illegible]1987[illegible]831[illegible]241[illegible]2905[illegible]UN World Social Situation[illegible]1989[illegible]p.165[illegible]

[illegible]——[illegible]Anwar Sadat[illegible]1981[illegible]Indira Gandhi[illegible]1984[illegible]Rajiv Gandhi[illegible]1991[illegible]20[illegible]

[illegible]10[illegible]——[illegible]13[illegible]Umbruch[illegible]1990[illegible]pp.7—10[illegible]intifada[illegible]1987[illegible]——[illegible]——[illegible]

[illegible]1917[illegible]——[illegible]

20[illegible]30[illegible]“[illegible]”[illegible]Day of Loyalty[illegible]Plaza de Mayo[illegible]1945[illegible]

[illegible]20[illegible]10[illegible][7][illegible]1992—1993[illegible]“[illegible]”[illegible]

[illegible]1789—1917[illegible]20[illegible]30[illegible]20[illegible]——[illegible]1979—1988[illegible]Najibullah[illegible]1991[illegible]·[illegible]Saddam Hussein[illegible]Baghdad[illegible]20[illegible]

[illegible]20[illegible]1917—1920[illegible]1944—1962[illegible]1974—1978[illegible]1989[illegible][8][illegible]——1989[illegible]

[illegible]——[illegible]——[illegible]“[illegible]20[illegible]”[illegible]70[illegible]

[illegible]

[illegible]——[illegible]——[illegible]（neo-Nazi teenage skinheads）[illegible]6[illegible]1993[illegible]（Solingen）[illegible]

[illegible]——[illegible]

[illegible]

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[1] [illegible]（Kapuszinski，1990）。

[2] [illegible]“[illegible]”（ghetto）[illegible]“[illegible]”（Black Panthers）[illegible]

[3] [illegible]“[illegible]”（1976—1982）[illegible]“[illegible]”[illegible]1[illegible]（Las Cifras，1988，p.33）。

[4] [illegible]

[5] [illegible]

[6] [illegible]

[7] [illegible]4[illegible]98.85%[illegible]

[8] [illegible]50[illegible]“[illegible]”[illegible]“[illegible]”[illegible]（Bhutan）[illegible]

[illegible]　[illegible]

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——[illegible]Walter Benjamin[illegible]1979[illegible]pp.195—196[illegible]

[illegible]……[illegible]“[illegible]”[illegible]

——[illegible]M.Lewin in Kerblay[illegible]1983[illegible]p.xxvi[illegible]

[illegible]……[illegible]……[illegible]20[illegible]……[illegible]

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[illegible]2[illegible]

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70[illegible]——94%[illegible]——[illegible]2000[illegible]2000[illegible]

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Jürgen Habermas
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[8] [illegible]The Economics of Shortage[illegible]Amsterdam[illegible]1980[illegible]

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[8] [illegible]Werner Heisenberg[illegible]Peierls[illegible]1992[illegible]p.44[illegible]

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[12] 1924—1928[illegible]1900—1902[illegible]——[illegible]Pauli[illegible]Fermi[illegible]Joliot[illegible]de Broglie[illegible]Max Born[illegible]3[illegible]30[illegible]

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[16] [illegible]John Maddox[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[18] [illegible]UN World Resources[illegible]1986[illegible]Table II[illegible]pp.319[illegible]

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[illegible] 70 [illegible] 19 [illegible] “[illegible]”[illegible] Bairoch [illegible] 1993 [illegible] p.164 [illegible] 20 [illegible] “[illegible]” [illegible]

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守夜人的钟声

我们时代的危机和出路

[美] 丽贝卡·D·科斯塔（Rebecca D. Costa）著 李亦敏 译

The Watchman's Rattle

Thinking Our Way Out of Extinction

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1983 The National Committee on Excellence in Education A Nation at Risk

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[illegible]·[illegible]Martin Perry[illegible]“[illegible]”[illegible]

[illegible]2008[illegible]InterGovernmental Panel on Climate Control[illegible]“[illegible]——[illegible]”[illegible]——[illegible]——[illegible]

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[illegible]A. J. [illegible]A. J. McEvity[illegible]“Reverse Engineering Gone Wrong[illegible]A Case Study”[illegible]

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[illegible]·[illegible]Jon Stewart[illegible]

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[illegible]*This Isn’t the Company I Joined: How to Lead in A Business Turned Upside Down* [illegible]·[illegible]·[illegible]Carol Kinsey Gorman[illegible]“[illegible]83%[illegible]97%[illegible]”

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Khidamat[illegible]Egyptian Islamic Jihad[illegible]Palestinian Islamic Jihad[illegible]24[illegible]

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[illegible]·[illegible]Ayn Rand[illegible]*Atlas Shrugged*[illegible]——[illegible]·[illegible]——[illegible]·[illegible]·[illegible]Francisco d’Anconia[illegible]“[illegible]‘[illegible]’[illegible]……[illegible]‘[illegible]’[illegible]”

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[illegible]1983[illegible]“[illegible]”[illegible]Grameen Bank[illegible]5—8[illegible]——[illegible]6[illegible]

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1676[illegible]·[illegible]Isaac Newton[illegible]·[illegible]Robert Hooke[illegible]“[illegible]”[illegible]

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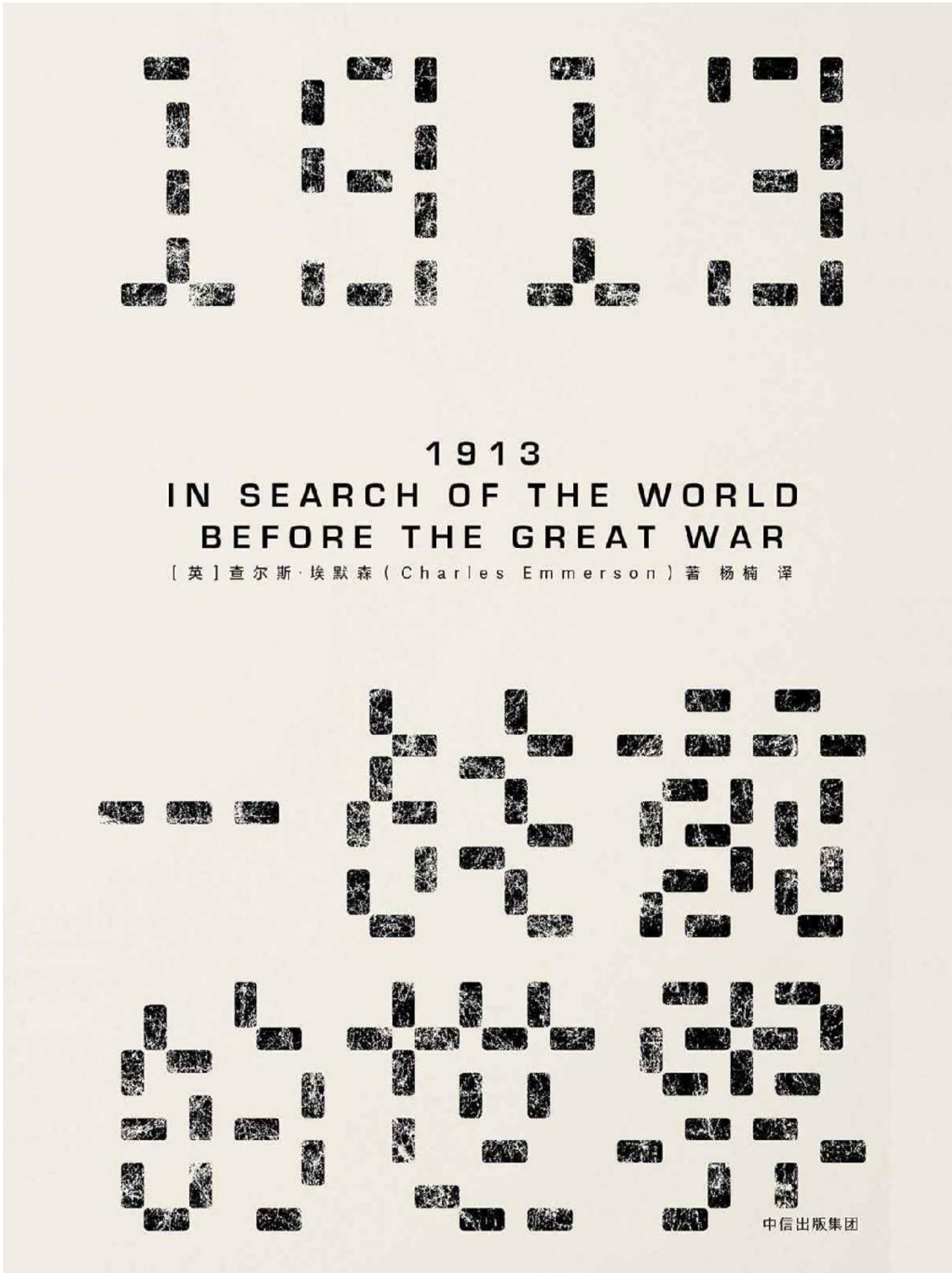
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1913
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1913
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P. Gooch[illegible]1912[illegible]“[illegible]”[15] [illegible]International Court of Justice[illegible]1913[illegible]1913[illegible]

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1913[illegible]Hellerau[illegible]

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1913[illegible]5[illegible]·[illegible]Princess Victoria Luise[illegible]·[illegible]Prince Ernst August of Cumberland[illegible]“[illegible]”[illegible]*Prinzesschen* [illegible]“[illegible]”[illegible][19] [illegible]Hohenzollern[illegible]·[illegible]Hanover[illegible]“[illegible]”[illegible][20] [illegible]“[illegible]”[illegible][21] [illegible]·[illegible]“[illegible]”[illegible]

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the Lumière brothers Pathé Zeppelin 1909 1911 1913 Holy Land École Polytéchnique École Centrale · Gustave Eiffel 1913

· Henri Bergson *l’élan vital* · 12

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[illegible]Bois de Boulogne[illegible]Place de l’Étoile[illegible]Arc de Triomphe[illegible]Champs-Elysées[illegible]1871[illegible]Hôtel Crillon[illegible]Automobile Club de France[illegible]Montmartre[illegible]Sacré-Cœur[illegible]

[illegible]7[illegible]*arrondissement*[illegible]Nôtre Dame[illegible]Île de la Cité[illegible]“[illegible]”[illegible]Sorbonne[illegible]Latin quarter[illegible]Panthéon[illegible]“[illegible]”[illegible]1911[illegible]Marais[illegible]*quartiers populaires*

[illegible]Belleville[illegible]Ménilmontant[illegible]40[illegible]

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[illegible]“[illegible]”[illegible]1913[illegible]·[illegible]Louis Houllevigue[illegible]*Revue de Paris*[illegible]“[illegible]Brest[illegible]54[illegible]Nice[illegible]11[illegible]40[illegible]” [15] [illegible]5[illegible]

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[20] Zola *Nana*
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Toulouse-Lautrec Degas

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[illegible]1900[illegible]1913[illegible]426[illegible]168[illegible]141[illegible]96[illegible]14[illegible][22] 19[illegible]90[illegible]“[illegible]”[illegible][23] 1900[illegible]1900[illegible]5 000[illegible]20[illegible]

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[illegible]1913[illegible]“[illegible]”[illegible]

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[illegible]1913[illegible]“[illegible]”[illegible]*Article de Paris*[illegible]——[illegible]“[illegible]”[illegible]*souvenir*[illegible]“[illegible]”[illegible]——[illegible]

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[illegible]1913[illegible]1[illegible]*Parisia*[illegible]“[illegible]”[illegible]“[illegible]‘[illegible]’[illegible]‘[illegible]’[illegible]”[illegible]“[illegible]”[32]

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Quat’z’Arts

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Matisse Issy-les-Moulineaux ·

Montparnasse cemetery rue Schoelcher

1913 1900

— · Jacques-Emile Blanche “

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Braque

1909 · Filippo Marinetti

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1913[illegible]

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1913[illegible]·[illegible]Henri Massis[illegible]·[illegible]·[illegible]Alfred de Tarde[illegible]Agathon[illegible]*Les jeunes gens d’aujourd’hui* [illegible]20[illegible]1890[illegible]·[illegible]“[illegible]”[illegible]·[illegible]·[illegible]Paul Claudel[illegible]·[illegible]Charles Péguy[illegible]“[illegible]”[illegible]

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[illegible]1912[illegible]*Berlin für Kenner* [illegible] [6] [illegible]——[illegible]——[illegible]Leipziger Strasse[illegible]Wertheim[illegible]A.[illegible]A. Jandorf & Co.[illegible]Tietz[illegible]Kaufhaus des Westens[illegible]KaDeWe[illegible]“[illegible]”[illegible] [7] [illegible]

[illegible]Potsdamer Platz[illegible]“[illegible]——[illegible]”[illegible]·[illegible]·[illegible]Ernst Ludwig Kirchner[illegible]·[illegible]Ludwig Meidner[illegible]“[illegible]” [8]

[illegible]1895[illegible]8[illegible]1911[illegible] [9] [illegible]Frankfurt-am-Main[illegible]1913[illegible]——[illegible]Alexanderplatz[illegible]·[illegible]

[illegible]Kaiser-Wilhelm-Gesellschaft zur Förderung der Wissenschaften[illegible]——[illegible]World Zionist Organisation[illegible]

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[illegible]1906[illegible]·[illegible]Wilhelm Voigt[illegible]Köpenick[illegible]4 000[illegible]1908[illegible]

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[illegible]*Mietskasernen*[illegible]“[illegible]”[illegible]Grunewald[illegible]“[illegible]”[illegible]*Wandervogel*[illegible]1913[illegible]Wannsee[illegible]1913[illegible]6[illegible]1916[illegible]——[illegible]·[illegible]·[illegible]Victor von Podbielski[illegible][15]

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[illegible]Halensee[illegible]Luna Park[illegible]1913[illegible]1902[illegible]152[illegible][18]

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20[illegible]Neukölln[illegible]Rixdorf[illegible]13[illegible]Palazzo Pubblico of Siena[illegible]*Rathaus*[illegible]

[illegible]·[illegible]Karl Scheffler[illegible]“[illegible]”[illegible]*immerfort zu werden und niemals zu sein*[illegible][30] 1899[illegible]·[illegible]“[illegible]”[illegible][31][illegible]“[illegible]”

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[illegible]Rhineland[illegible]1/5[illegible]1/8[illegible]1/20[illegible]

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[illegible]·[illegible]Albert Ballin[illegible]

1913[illegible]29[illegible]25[illegible]

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[illegible]——[illegible]·[illegible]——[illegible]

[illegible]Spree[illegible]

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1913[illegible]—[illegible]

1913[illegible]“Wackes”[illegible]·[illegible]·[illegible]Günter von Forstner[illegible]—[illegible]——[illegible]——[illegible]·[illegible]Bethmann Hollweg[illegible]——[illegible]——[illegible]

[illegible]1913[illegible]Pan-German League[illegible]German Army League[illegible]——[illegible]*Berliner Tageblatt*[illegible]“[illegible]‘[illegible]’[illegible]‘[illegible]’[illegible]” [38]

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Kelheim 10 Battle of the Nations 5 6 6 Festzug der Innungen “” [41] 1913

3 “” *Mit Gott für König und Vaterland* “” *Der König rief und Alle, Alle kamen* [42] “” *Gott mit Uns!* 1813

100 —— 1913 “” [43] 1913

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1911[illegible]·[illegible]·[illegible]Benjamin Ide Wheeler[illegible]1913[illegible]“[illegible]”[illegible]*Friedenskaiser*[illegible]6[illegible]·[illegible]Alfred Fried[illegible]*New York Times*[illegible]

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1913

Dante Alighieri Medici chapel —— “ ” E. M. *Where Angels Fear to Tread* · Philip Herriton “ ” [1] 100 · 1909 “ ” [2]

1861 House of Savoy Kingdom of Piedmont “ ” “ ” [3] Fabbrica Italiana Automobili di Torino Pirelli “ ” [4]

1913 800 · Richard Bagot

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1913[illegible]1[illegible]“[illegible]·[illegible]”[illegible]Horn of Africa[illegible]Eritrea[illegible]·[illegible]Giulio Gavotti[illegible][7][illegible]·[illegible]“[illegible]”[illegible][8][illegible]·[illegible]Giovanni Pascoli[illegible]

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[illegible]*Italietta* [illegible]·[illegible]Giovanni Giolitti[illegible]

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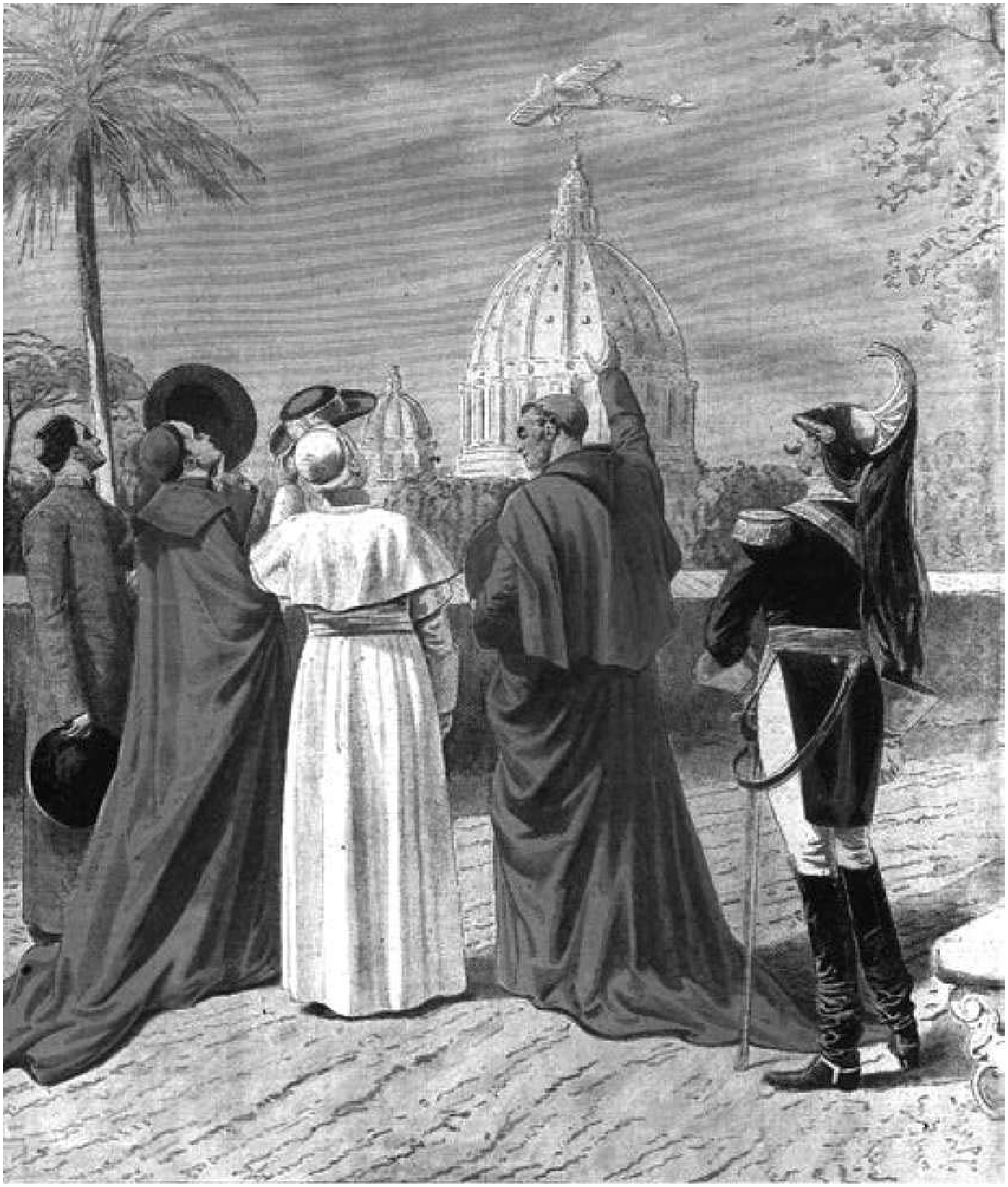
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[illegible]*Passeggiata Archeologica*[illegible]Papal States[illegible]1861[illegible]20[illegible]1913[illegible]50[illegible]

[illegible]1861[illegible]——[illegible]·[illegible]Giuseppe Garibaldi[illegible]“[illegible]”[illegible]——[illegible]10[illegible]1870[illegible]“[illegible]”[illegible]*Roma Capitale*[illegible]*Romanità*[illegible]20[illegible][11]

1911[illegible]6[illegible]·[illegible]Vittorio Emanuele[illegible]50[illegible]·[illegible]Giuseppe Sacconi[illegible]·[illegible]16[illegible]16[illegible]——[illegible]Capitoline Hill[illegible][12][illegible]“[illegible]”[illegible]St. Peter’s Basilica[illegible]

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[illegible]“[illegible]”[16][illegible]1912[illegible]*Th e Pope’s Aeroplane*[illegible]“[illegible]”[illegible]·[illegible]

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[illegible]Trento[illegible]Trient[illegible]16[illegible]

1909[illegible]·[illegible]1913[illegible]——[illegible]Brenner Pass[illegible]

[illegible]Innsbruck[illegible]——[illegible]St. Stephen’s Cathedral[illegible]Hofburg palace[illegible]83[illegible]·[illegible]——[illegible]*kapuziner*[illegible]*fiaker*[illegible]

[illegible]1913[illegible]1908[illegible]30[illegible]1913[illegible][1][illegible]5 000[illegible]——[illegible]Galicia[illegible][2][illegible]

[illegible]

[illegible]——[illegible]——[illegible]Styria[illegible]Carniola[illegible]Moravia[illegible]Austrian Silesia[illegible]Bukowina[illegible]Carinthia[illegible]Istria[illegible]Dalmatia[illegible] [3] [illegible]“[illegible]” [4] [illegible]“[illegible]”[illegible] [5] [illegible]·[illegible]“[illegible]”[illegible]1914[illegible]·[illegible]Karl Kraus[illegible]“[illegible]”[illegible] [6] [illegible]

[illegible]1910[illegible]·[illegible]Lviv[illegible]Lwów[illegible]Lemberg[illegible]

[illegible]

[illegible]Debrecen[illegible]

[illegible]——[illegible]

[illegible]Leitha[illegible]Cisleithania[illegible]Transleithania[illegible]——[illegible]1/3[illegible]

[illegible]——[illegible]50[illegible]1867[illegible]·[illegible]Sadowa[illegible]Sadová[illegible]the Battle of Königgrätz[illegible]·[illegible]Baron Beust[illegible]——[illegible][7]

[illegible]St. Stephen[illegible]——[illegible]——[illegible]·[illegible]1913[illegible]“*K. u. k* ”[illegible]“[illegible]”[illegible]*Kaiserlich und Königlich* [illegible]“[illegible]”[illegible]1867[illegible]·[illegible]Robert Musil[illegible]“*K. u. k* ”[illegible]“[illegible]”[illegible]*Kakania* [illegible][8] [illegible]·[illegible]

[illegible]19[illegible]60[illegible]——[illegible]·[illegible]1871[illegible]1867[illegible]1913[illegible]——[illegible]

[illegible]·[illegible]·[illegible][9][illegible]·[illegible]

[illegible]St. Wenceslas[illegible]40%[illegible][10][illegible]——[illegible]

[illegible]1913[illegible]10[illegible][11][illegible]——[illegible]1907[illegible]·[illegible]·[illegible][12][illegible]·[illegible]“[illegible]”[illegible]Tatra mountains[illegible][13][illegible]·[illegible]Josef Djugashvili[illegible][14]

[illegible]——[illegible]——[illegible]·[illegible]10[illegible]50[illegible]—[illegible]Croatia-Slavonia[illegible]65[illegible]85[illegible][15][illegible]——[illegible][16]

[illegible]1913[illegible]——[illegible]·[illegible]——[illegible]——[illegible]·[illegible]

[illegible]Prater[illegible]19[illegible]·[illegible]Eduard Taaffe[illegible]“[illegible]”[illegible][17][illegible]·[illegible]“[illegible]”[18][illegible]

[illegible][19][illegible]——1910[illegible]2/3[illegible]——[illegible][20]

[illegible]·[illegible]Thomas Masaryk[illegible]1893[illegible]“[illegible]”[21][illegible]1913[illegible]“[illegible]……[illegible]”[illegible]

[illegible]·[illegible]“[illegible]”——

[illegible]“[illegible]”[illegible]“[illegible]”[illegible] [22]

[illegible]·[illegible]·[illegible]Henry Wickham Steed[illegible]1913[illegible]

[illegible]10[illegible]——[illegible]10[illegible]——[illegible] [23]

1913[illegible]1813[illegible]1713[illegible]·[illegible]1908[illegible]——[illegible]·[illegible]——[illegible]60[illegible]

[illegible]——[illegible]——[illegible]10[illegible] [24] [illegible]·[illegible]*Die Fledermaus* [illegible]1874[illegible]40[illegible]“[illegible]*Glücklich ist, wer vergisst, was doch nicht zu ändern ist* [illegible]” [25]



1913[illegible]·[illegible]

[illegible]·[illegible]Lev Bronstein[illegible]“[illegible]”[illegible][26] [illegible]*Ostjuden* [illegible]100[illegible]Metternich[illegible]——[illegible]

[illegible]1910[illegible]200[illegible]“[illegible]”[illegible]*Wiener Montags Journal* [illegible]“[illegible]10[illegible]10[illegible]”[illegible][27] [illegible]“[illegible]”[illegible]“[illegible]”[illegible]1879[illegible]13[illegible]

[illegible]——[illegible]·[illegible]

[illegible]“[illegible]” [28] [illegible]·[illegible] [29]

[illegible]——[illegible]·[illegible]——[illegible]Ringstrasse[illegible]19[illegible]50[illegible]·[illegible]

[illegible]20[illegible]

> [illegible]……[illegible]…… [30]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] [31]

[illegible]1913[illegible]“[illegible]”[illegible] [32]

[illegible]·[illegible]68[illegible]

[illegible]8[illegible]5[illegible]Kerzl[illegible]5[illegible][33]

[illegible]60[illegible]15[illegible]1889[illegible]·[illegible]Marie Vetsera[illegible]Burgtheater[illegible]·[illegible]Katharina Schratt[illegible][34]

[illegible]19[illegible]60[illegible]·[illegible]·[illegible]John Lothrop Motley[illegible]“[illegible]”[35] 50[illegible]·[illegible]“[illegible]”[illegible]——[illegible]18[illegible]16[illegible][36]

1913[illegible]·[illegible]·[illegible]Sophie Chotek[illegible]·[illegible]·[illegible][37]

[illegible]——[illegible]Hofoper[illegible]——[illegible]·[illegible]1908[illegible][38] 1913[illegible]Weingartner[illegible]*Aïda*[illegible]——[illegible][39]

[illegible]——[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible] [40]

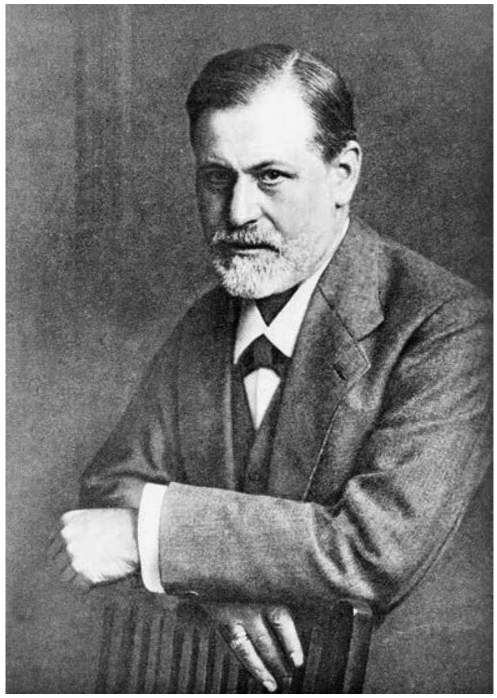
[illegible]“[illegible]”[illegible]·[illegible]1913[illegible] [41]

[illegible]8[illegible]247[illegible]Ottakring[illegible]Wiener Kaufmännischer Gesangverein[illegible]·[illegible]Chormusikverein[illegible]Theater an der Wien[illegible]Volksoper[illegible]·[illegible]——[illegible]1913[illegible]11[illegible]·[illegible]*Salomé* [illegible]

[illegible]

[illegible]1913[illegible]·[illegible]*Totem und Tabu* [illegible]·[illegible]*Die Fackel* [illegible]·[illegible]Adolf Loos[illegible]“[illegible]”[illegible]*ornament ist vebrechen* [illegible]1910[illegible]Michaelerplatz[illegible]“[illegible]”[illegible]*Haus ohne Augenbrauen* [illegible]——[illegible]

[illegible]·[illegible] [42]



[illegible]·[illegible]“[illegible]”

[illegible]——[illegible]1913[illegible]3[illegible]31[illegible]·[illegible]·[illegible]Alban Berg[illegible]·[illegible]Anton Webern[illegible]*Altenberg Lieder* [illegible] [43] [illegible]·[illegible]Arthur Schnitzler[illegible]·[illegible]Egon Schiele[illegible]*Sezession* [illegible]·[illegible]Gustav Klimt[illegible]——[illegible]·[illegible] [44]

[illegible]“[illegible]”[illegible]*Bildung* [illegible]·[illegible]Blaue Reiter[illegible]·[illegible]*Theory of Harmony* [illegible]“[illegible]” [45] [illegible]·[illegible]·[illegible]·[illegible]“[illegible]

[illegible]”[illegible]Café Griensteidl[illegible]·[illegible]“[illegible]”[illegible][46]

[illegible][47][illegible]

“[illegible]”[illegible]·[illegible]Hermann Bahr[illegible]1906[illegible]“[illegible]”[48][illegible]“[illegible]”[illegible]“[illegible]……[illegible]”[illegible][49][illegible]

[illegible]19[illegible]80[illegible]90[illegible]——[illegible]1867[illegible]——[illegible]1873[illegible]Leopoldstadt[illegible]1910[illegible]200[illegible]17.5[illegible]·[illegible]·[illegible]Georg von Schönerer[illegible]1897—1910[illegible]·[illegible]Karl Lueger[illegible]

[illegible]*shtetl*[illegible]40%[illegible]1/4[illegible]——[illegible][50][illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]1905[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible][51]

1913 · “ ” [52]

· Theodor Herzl *Neue Freie Presse* · 9 1913 9 11

Rosner Greil Wortmann 1912 1 387 “ ” [53]

1913 1 —— “ ” [54] 18 17 16 “ ” ——

· “ ” [55] · Alfred Redl

[illegible]1912[illegible]

[illegible]·[illegible]Nikon Nizetas[illegible]Eydtkuhnen[illegible][56][illegible]6 000[illegible]Fleischmarkt[illegible]Postgasse10[illegible]7[illegible]8[illegible]6[illegible]

1913[illegible]5[illegible]24[illegible]5[illegible]20[illegible]Kaiserhof[illegible]Klomser[illegible]Klomser[illegible]·[illegible]

[illegible]10[illegible]·[illegible]Stefan Horinka[illegible]·[illegible]900[illegible]

[illegible]1[illegible]Klomser[illegible]·[illegible]1913[illegible]

[illegible]·[illegible]

[illegible]

1913[illegible]Fabergé[illegible]18[illegible]300[illegible] [1] [illegible]1613[illegible]1913[illegible]

[illegible]300[illegible]Nikolaevskaya[illegible]4 000[illegible]*A Life for the Tsar* [illegible]·[illegible]Ivan Susanin[illegible]·[illegible]

[illegible]Nizhny Novgorod[illegible]Kostroma[illegible]Yaroslavl[illegible]Kokovtsov[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]” [2] [illegible]“[illegible]” [3] [illegible]

[illegible]——[illegible]Bukhara[illegible]Khiva[illegible]“[illegible]”[illegible] [4]

[illegible]100[illegible] [5] [illegible]

[illegible]Tobolsk[illegible]·[illegible]Dmitri Smirnov[illegible]Abalakskaya[illegible]1891[illegible][6]

[illegible]1913[illegible]2[illegible]21[illegible]300[illegible]1613[illegible]·[illegible]Zemsky Sobor[illegible]300[illegible]·[illegible]1913[illegible]1613[illegible]——1905[illegible]——[illegible]“[illegible]”[illegible]Emperor[illegible]“[illegible]”[illegible]Tsar[illegible][7]

[illegible]Holy Synod[illegible]300[illegible]7[illegible]11[illegible]·[illegible]300[illegible]

[illegible]8[illegible]Peter and Paul Fortress[illegible]21[illegible]·[illegible]Mstislav Dobuzhinsky[illegible]“[illegible]”[illegible]*Petersburgskaia gazeta*[illegible]“[illegible]”[8][illegible]·[illegible]“[illegible]”[illegible]9[illegible][9]

[illegible]4 000[illegible]“[illegible]”[illegible]*Novoe Vremia*[illegible]“[illegible]”[illegible][10][illegible]·[illegible]Michael Rodzianko[illegible]

[illegible]Patriarch of Antioch[illegible]
[illegible]Nevsky Prospekt[illegible]

> [illegible]“[illegible]”[illegible]……[illegible]——[illegible]……[illegible]…… [11]

[illegible]“[illegible]”[illegible]1905[illegible]1908[illegible]1911[illegible]“[illegible]”[illegible]“[illegible]”

[illegible]25[illegible]1/10[illegible] [12] [illegible]22[illegible]·[illegible]——[illegible]Mariinsky Theatre[illegible] [13]

[illegible]7[illegible]30[illegible]

[illegible]300[illegible]

[illegible]1905[illegible]“[illegible]”[illegible]*makaki*[illegible] [14] [illegible]——[illegible]

[illegible]——[illegible]1913[illegible]Anatolia[illegible]

[illegible]1897[illegible]——[illegible]“[illegible]”——[illegible]1913[illegible]30%[illegible][15] [illegible]300[illegible]1[illegible]7 513[illegible]7 800[illegible][16] [illegible]4 500[illegible]——1913[illegible]100[illegible]——[illegible]

[illegible]3/4[illegible]“[illegible]”[illegible]1913[illegible]49[illegible][17]

[illegible]19[illegible]90[illegible]“[illegible]Tula[illegible]”[18] [illegible]——[illegible]

[illegible]*Petersburg*[illegible]·[illegible]Andrei Bely[illegible]*chinovniki*[illegible]

> ——[illegible][19]

[illegible]

[illegible]——[illegible]——[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]*burg*[illegible]“[illegible]”[illegible]*grad* [illegible]“[illegible]”[illegible]*Piter* [illegible]——[illegible]300[illegible]——[illegible]Smolensk[illegible]“[illegible]”[illegible]*kremlin* [illegible]English Quay[illegible]New Holland[illegible]

[illegible]——[illegible]Tauride Palace[illegible]——[illegible]·[illegible]·[illegible]Francesco Bartolomeo Rastrelli[illegible]·[illegible]·[illegible]Etienne Maurice Falconet[illegible]French Institute[illegible]·[illegible]Louis Réau[illegible]“[illegible]” [20]

1913[illegible]Tsarskoe Selo[illegible]17[illegible] [21] [illegible]·[illegible]Alexander Benois[illegible]“[illegible]”[illegible] [22] [illegible]*Starye gody* [illegible]19[illegible]*Mir iskusstva* [illegible]1912[illegible]

[illegible]

[illegible]Church of the Saviour on Spilled Blood[illegible]St. Basil’s Cathedral[illegible]1907[illegible]36[illegible]18[illegible]

[illegible]——[illegible]1913[illegible]200[illegible]20[illegible]·[illegible]Nikolaevskaya[illegible]33[illegible]“[illegible]”[illegible]“[illegible]” [23]

[illegible]1913[illegible]300[illegible]——[illegible]

[illegible] [24] [illegible]1913[illegible]

1913[illegible]1913[illegible]30[illegible]——[illegible]——[illegible] [25] [illegible]——[illegible]·[illegible]Halford Mackinder[illegible]“[illegible]……[illegible]” [26]

[illegible]3[illegible]·[illegible]Radko Dimitriev[illegible]*Shumi Maritsa*[illegible] [27] [illegible]

[illegible]1/3[illegible][28][illegible]“[illegible]”[29]

[illegible]1905[illegible]1913[illegible]——[illegible]——[illegible][30][illegible]“[illegible]”[31]

[illegible]1913[illegible]——[illegible]*Pravda*[illegible]“[illegible]”[illegible]“[illegible]”[illegible][32][illegible]·[illegible]Bernard Pares[illegible]1913[illegible]

> [illegible]……[illegible]……[illegible][33]

[illegible]300[illegible]“[illegible]”[34]

[illegible]——[illegible]

[illegible]——[illegible]——[illegible]50[illegible]8[illegible]10[illegible] [35] [illegible] [36]

[illegible]1912[illegible]“[illegible]”（*A Slap in the Face of Public Taste*）[illegible]1913[illegible]12[illegible]——[illegible]（Matiushin）[illegible]·[illegible]（Kazimir Malevich）——[illegible]“[illegible]” [37] “[illegible]”[illegible]9[illegible]“[illegible]”[illegible] [38]



[illegible]300[illegible]

[illegible]1913[illegible]2[illegible]300[illegible]1901[illegible]1905[illegible]6[illegible]8[illegible]20[illegible]Black Hundreds[illegible]

1905[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Pale of Settlement[illegible]·[illegible]Luigi Villari[illegible]“[illegible]”[illegible]“[illegible]……[illegible]”[illegible][39]

[illegible]——[illegible]——[illegible]“[illegible]”[illegible][40][illegible]——[illegible]——[illegible]1905[illegible]

[illegible]Potemkin[illegible]——[illegible]“[illegible]”[1][illegible]300[illegible]

[illegible]1912[illegible]“[illegible]”[41][illegible]“[illegible]”[illegible]·[illegible]Vladimir Mescherskii[illegible]“[illegible]……[illegible]”[42][illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[43]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible][44][illegible]·[illegible]Pyotr Stolypin[illegible]1911[illegible]

[illegible]9[illegible]“[illegible]”[illegible]*starets*[illegible]Rasputin[illegible]“[illegible]”[illegible]

[illegible]·[illegible]·[illegible]Menahem Mendel Beilis[illegible]·[illegible]Vladimir Nabokov[illegible]“[illegible]”[illegible][45][illegible]“[illegible]”[illegible]·[illegible]Ivan Sikorskii[illegible]

> [illegible]……[illegible]

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[illegible]300[illegible]15[illegible]·[illegible]

[illegible][[illegible] *Journal de Saint Pétersbourg* [illegible] —— [illegible]] [illegible] 5 [illegible] 7 [illegible] 5 [illegible] [47]

1913 [illegible] —— [illegible]·[illegible]·[illegible] Wladimir de Belinsky [illegible] "[illegible]" [48] [illegible] Elisseeff [illegible] [49]

[illegible]·[illegible] —— [illegible] —— [illegible]

> [illegible] Pears [illegible] "[illegible]" [illegible] [50]

[illegible] Fontanka [illegible] 55 [illegible] 28 [illegible] [51] [illegible] 1913 [illegible] Nikopol Mariupolsky [illegible] 4 000 [illegible] —— [illegible] [52]

[illegible] 10 [illegible] Astoria Hotel [illegible]·[illegible] AEG [illegible]·[illegible] George Dobson [illegible] "[illegible]" [illegible] [53] [illegible] "[illegible] 10 [illegible]" ——

[illegible]——[illegible]Great Morskaia Street[illegible]——[illegible]Sadovaya Street[illegible]Gorokohovaya Street[illegible]Liteyny Prospect[illegible]Soovorofsky Prospect[illegible]Voznesensky Prospect[illegible]

[illegible]——1913[illegible]130[illegible]——[illegible]300[illegible]·[illegible]Vera Kholodnaya[illegible][54][illegible]1907[illegible]

[illegible]1913[illegible]*Grand*[illegible]“[illegible]”[illegible][55][illegible]·[illegible]Igor Sikorsky[illegible]·[illegible]“[illegible]”[illegible]“[illegible]……[illegible]”[illegible]·[illegible]Edward Acheson[illegible]1913[illegible]Imperial Technical Society[illegible]“[illegible]——[illegible]”[56]

[illegible]*naemnye kazarmy*[illegible]*Mietskasernen*[illegible]1908—1909[illegible]3[illegible]1913[illegible][57]

[illegible]

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1913[illegible]5[illegible]9[illegible]1913[illegible]

[illegible]·[illegible]·[illegible]“[illegible]”[illegible][58]

[illegible]“[illegible]”[illegible]——[illegible]

[illegible]

[1] [illegible]1787[illegible]“[illegible]”[illegible]——[illegible]

[illegible]

[illegible]

1913



1913[illegible]3[illegible]·[illegible]“[illegible]”[illegible]

1913[illegible]Cherbourg[illegible]Fiume[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]·[illegible]·[illegible]John Jacob Astor[illegible]·[illegible]Benjamin Guggenheim[illegible]·[illegible]·[illegible]William Thomas Stead[illegible]——[illegible]1913[illegible]10[illegible]“[illegible]”[illegible]*Volturno* [illegible]

[illegible]50[illegible]——[illegible]50[illegible]“[illegible]”[illegible]·[illegible]·[illegible]1901[illegible]*The Americanization of the World* [illegible]1913[illegible]·[illegible]Guglielmo Ferrero[illegible]“[illegible]”[illegible]The Riddle of America[illegible] [1] [illegible]—[illegible]·[illegible]·[illegible]Paul-Henri d’Estournelles de Constant[illegible]80[illegible]“[illegible]”[illegible]*Les Etat-Unis d’aujourd’hui* [illegible]

[illegible]·[illegible]*Philip Dru, Administrator* [illegible]——[illegible]1920[illegible]·[illegible]“[illegible]”[illegible]Mandell House[illegible]·[illegible]·[illegible]“[illegible]”[illegible]Edward Mandell House[illegible]——[illegible]·[illegible]

[illegible]·[illegible]·[illegible]Gloria Strawn[illegible]“[illegible]” [2] [illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]——[illegible]

[illegible]……[illegible]2 000[illegible]

[illegible]

[illegible]·[illegible]Selwyn[illegible]12[illegible]1 000[illegible]“[illegible]”[illegible]·R.[illegible]James R. Rockland[illegible]——[illegible]——[illegible]

[illegible]·[illegible]“[illegible]”[illegible]

[illegible]Elma[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]

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[illegible]·[illegible][3][illegible]——[illegible]——[illegible]19[illegible]20[illegible]50[illegible]19[illegible]80[illegible]1913[illegible]

[illegible]1913[illegible]1[illegible]Boise[illegible]Savannah[illegible]10[illegible]“[illegible]——[illegible]——[illegible]”[illegible]

> [illegible]……[illegible]750[illegible]2 700[illegible][4]

[illegible]1915[illegible]——[illegible]——[illegible][5]

[illegible]·[illegible]1913[illegible]·[illegible]·[illegible]Walter Hines Page[illegible]20[illegible]——[illegible]——[illegible]“[illegible]——[illegible]”[6][illegible]

[illegible]“[illegible]”[1][illegible]

[illegible]19[illegible]——[illegible]·[illegible]William McKinley[illegible]·[illegible]Theodore Roosevelt[illegible]1901[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”。[7]

[illegible]·[illegible]Rudyard Kipling[illegible]*If*[illegible][8][illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible][9]

1912[illegible]·[illegible]·[illegible]William Taft[illegible]·[illegible]“[illegible]”[illegible]·[illegible]Eugene Debs[illegible]·[illegible]·[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]·[illegible]“[illegible]20[illegible]”。

[illegible] [10]

[illegible]

[illegible] “[illegible]”

[illegible] “[illegible]” [illegible] “[illegible]” [11] [illegible]

[illegible] *The Old Way and the New* [illegible] —— [illegible] —— [illegible] “[illegible]” [illegible] “[illegible]” [illegible] “[illegible]” [illegible] “[illegible]” [illegible] “[illegible]”

[illegible]

……[illegible]…… [12]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1912[illegible]48[illegible]40[illegible]1912[illegible]·[illegible]1913[illegible]·[illegible]

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[1] [illegible]·[illegible]John Winthrop[illegible]1630[illegible]“[illegible]”[illegible]A Model of Christian Charity[illegible]5[illegible]14[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]

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[illegible]

1913[illegible]3[illegible]4[illegible]25[illegible]

[illegible][1] [illegible]20[illegible]5[illegible]Pennsylvania Avenue[illegible]50[illegible]——[illegible]“[illegible]”[illegible][2] [illegible]

[illegible]——[illegible]——[illegible]Union Station[illegible]·[illegible]Louis Saint-Gaudens[illegible]“[illegible]”[illegible]The Progress of Railroading[illegible]——[illegible]Prometheus[illegible]Thales[illegible]——[illegible]Ceres[illegible]·[illegible]“[illegible]”

[illegible]·[illegible]James Bryce[illegible]“[illegible]”[illegible]

> ……[illegible]……[illegible]……[illegible][3]

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[illegible]

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3[illegible]4[illegible]Shoreham Hotel[illegible]1879[illegible]“[illegible]79[illegible]” [9] [illegible]·[illegible]

Metropolitan Club

1913 · “ ” [10] “ ” “ ”

…… [11]

5 “ —— ” [12]

1913 Underwood Tariff Bill “ ” —— ——

18 · · Alfred Maurice Low “ ” [13]

“ ” “ ”

“ ” “ ” · · “ …… ” [14]

[illegible]1913[illegible]7.5[illegible]33[illegible]

> [illegible]——[illegible] [15]

[illegible]—[illegible]·[illegible]·[illegible]—[illegible]·[illegible]Pierre-Charles l’Enfant[illegible]Marquis de Lafayette[illegible]——[illegible]·[illegible]·[illegible]“[illegible]……[illegible]”[illegible]

> [illegible]……[illegible]…… [16]

[illegible]

> [illegible] [17]

[illegible]1/3[illegible]1913[illegible]10[illegible]·[illegible]·[illegible]John Palmer Gavit[illegible]

[illegible]National Association for the Advancementof Colored People[illegible]·[illegible]·[illegible]（Oswald Garrison Villard[illegible]

[illegible][18]



[illegible]Church Alley[illegible]

[illegible]1/5[illegible]1.6[illegible]·[illegible]·[illegible]Charles Frederick Weller[illegible]·[illegible]·[illegible]Eugenia Winston Weller[illegible]“[illegible]”[illegible][19][illegible]“[illegible]”[illegible]

[illegible][20]

[illegible]“[illegible]”“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]

[illegible]·[illegible]7[illegible]7[illegible]6[illegible]15[illegible]·[illegible]5[illegible]16[illegible]5[illegible][21]

[illegible]Nordbahnhof[illegible]

[illegible]“[illegible]”[illegible]……“[illegible]”[22]

[illegible]1913[illegible]1912[illegible]Monday Evening Club[illegible]·[illegible]·[illegible]Ellen Axson Wilson[illegible]1914[illegible]8[illegible]——[illegible]*Alley Dwelling Act*[illegible]

[illegible]·[illegible]·[illegible]1865[illegible]·[illegible]·[illegible]Andrew Johnson[illegible]1913[illegible]2[illegible]

[illegible]*Harper's Weekly*[illegible]“[illegible]”[illegible]The South in the Saddle[illegible]·[illegible]

[illegible]Shenandoah Valley[illegible]Staunton, Virginia[illegible]Augusta, Georgia[illegible]1/3[illegible]1861[illegible]·[illegible]1909[illegible]·[illegible]University of South Carolina[illegible]“[illegible]”[illegible]“[illegible]”[illegible][23]

[illegible]1912[illegible]Rome, Georgia[illegible]*Tribune-Herald*[illegible]“[illegible]”[illegible]40[illegible]9[illegible]

[illegible]——[illegible]1880[illegible]“[illegible]”[illegible]“[illegible]”[illegible][24][illegible]*The Cambridge Modern History*[illegible]

> [illegible]……[illegible][25]

1913[illegible]7[illegible]4[illegible]5[illegible]——[illegible]100[illegible][26][illegible]112[illegible]Weiss[illegible]61[illegible]“[illegible]

[illegible]” [27] “[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]50[illegible]

[illegible]“[illegible]” [28] [illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible] [29]



1913[illegible]5[illegible]50[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]
[illegible]”[illegible]

[illegible]·[illegible]——[illegible]1913[illegible]“[illegible]”[illegible]1863[illegible]——[illegible]

[illegible]Tuskegee Institute[illegible]·T.[illegible]Booker T. Washington[illegible][30] [illegible]“[illegible]”[illegible]——[illegible]

[illegible]·[illegible]·[illegible]——[illegible]1902[illegible]·T.[illegible]“[illegible]……[illegible]”[31] [illegible]1947[illegible]

[illegible]1912[illegible]African Methodist Church[illegible]“[illegible]”[illegible]“[illegible]”[illegible][32] [illegible]——[illegible]——[illegible]“[illegible]”[illegible]W.E.B.[illegible]W. E. B. Dubois[illegible]*Crisis* [illegible]

[illegible]·[illegible][33]

8 United Colored Democracy ·N. Robert N. Wood “ 1 000 ” [34] “ ” “ ” “ ”

· Jim Crow laws [1] “ ”

> …… [35]

· · Joseph Patrick Tumulty

“ ”

> …… [36]

9 [37] Tyson

[illegible]“[illegible]10[illegible]”[illegible]

> [illegible]……[38]

[illegible]“[illegible]3K[2][illegible]”。

[illegible]“[illegible]”[illegible]——[illegible]——[illegible]

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[1] [illegible]·[illegible]1876—1965[illegible]——[illegible]

[2] 3K[illegible]Kinder[illegible]Küche[illegible]Kirche[illegible]——[illegible]

[illegible]

[illegible]

[illegible]1913[illegible]

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[illegible]“[illegible]”[illegible][2] [illegible]

[illegible]“[illegible]”[illegible]Tammany Hall[illegible][3] 1913[illegible]1910[illegible]“[illegible]”[illegible]“[illegible]”[4] [illegible]Albany[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

1913[illegible]1913[illegible]10[illegible]·[illegible]（William Sulzer）[illegible]

[illegible]1913[illegible]·D.[illegible]（John D. Rockefeller Jr）[illegible]1.5[illegible]·[illegible]·[illegible]（Harriet Beecher Stowe）[illegible]·[illegible]·[illegible]（Lyman Beecher Stowe）[illegible]“[illegible]”[illegible][5][illegible]

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[illegible]·[illegible]（Upton Sinclair）[illegible]*The Metropolis*[illegible]“[illegible]”——[illegible][7]

[illegible]（Hudson）[illegible]（East River）[illegible]1867[illegible][8][illegible]1910[illegible]1898[illegible]（Brooklyn）[illegible]（Queens）[illegible]（Staten Island）[illegible]（Jersey City）[illegible]

[illegible]——[illegible]——[illegible]（the Bronx）[illegible]——[illegible]900[illegible]“[illegible]”[illegible]100[illegible]“[illegible]”[illegible][9][illegible]“[illegible]42[illegible]”[illegible]

[illegible]·[illegible]Pierre Loti[illegible]1913[illegible]“[illegible]” [10] [illegible]

“[illegible]”[illegible]“[illegible]”[illegible]——“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]1 000[illegible]”[illegible]——[illegible]“[illegible]——[illegible]”[illegible]West Broadway[illegible]“[illegible]”“[illegible]”[illegible]“[illegible]” [11]

[illegible]

> [illegible]——[illegible]……[illegible]……[illegible] [12]

[illegible]25[illegible]“[illegible]”[illegible]“[illegible]” [13]

[illegible]1913[illegible]4[illegible]24[illegible]200[illegible]Woolworth Building[illegible] [14]

1910[illegible]500[illegible]625[illegible] [15] 1913[illegible]·[illegible]Cass Gilbert[illegible]·[illegible]·[illegible]Frank Winfield Woolworth[illegible]“[illegible]50[illegible]”[illegible] [16] [illegible]750[illegible]792[illegible]

[illegible] [17] [illegible]St. Paul’s Chapel[illegible]·[illegible]“[illegible]”[illegible]

[illegible]1913[illegible]Heights of Building Commission[illegible]12[illegible]21[illegible]Singer Building[illegible]1 000[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Greenwich Village[illegible]10[illegible]100[illegible]·[illegible]George McAneny[illegible]“[illegible]”[illegible]“[illegible]”[illegible] [18]

[illegible]——[illegible]Skyros[illegible]“[illegible]”[illegible]Victoria Tower[illegible]·R.[illegible]John R. Hegeman[illegible]——[illegible]1902[illegible]1908[illegible] [19]



1913[illegible]

[illegible]Penn Station[illegible]Caracalla[illegible]New York Public Library[illegible]1913[illegible]Grand Central Station[illegible]

[illegible]

[illegible]·[illegible]·[illegible]John Pierpont Morgan[illegible]20[illegible]*La Fanciulla del West*[illegible]1910[illegible]1913[illegible]·[illegible]William Frick[illegible]1918[illegible]·[illegible]Gilbert Stuart[illegible]·[illegible]1914[illegible]·[illegible]·[illegible]James McNeill Whistler[illegible]

[illegible]——[illegible]·H.[illegible]“[illegible]”[illegible]

1913[illegible]2[illegible]Lexington Avenue[illegible]International Exhibition of Modern Art[illegible]1 000[illegible]·[illegible]Cassirer[illegible]·[illegible]“*Gang und gar ausgeschlossen*!”[illegible]“[illegible]”[illegible][20] [illegible]·[illegible]Walter Pach[illegible][21] [illegible]“[illegible]”[illegible]

[illegible]10[illegible]Association of American Painters and Sculptors[illegible]·[illegible]

[illegible]·[illegible]“[illegible]”[illegible][22][illegible]“[illegible]”[illegible]——[illegible]“[illegible]”[illegible]

> [illegible]P. T.[illegible]P. T. Barnum[illegible]

[illegible]·[illegible]Kenyon Cox[illegible]“[illegible]”[illegible][23][illegible]——[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]“[illegible]……[illegible]”[illegible]“[illegible]……[illegible]”[illegible]

[illegible]*Puck*[illegible][24][illegible]“‘[illegible]’[illegible]”[illegible]“[illegible]‘[illegible]’[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]Robert Sewell[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible][25][illegible]——[illegible]3[illegible]*New York Sun*[illegible]“[illegible]”

[illegible]·[illegible]Joseph Stella[illegible]——[illegible]*Battle of Lights, Coney Island* [illegible]

[illegible]——[illegible]——[illegible]1910[illegible]13[illegible]4/5[illegible]“[illegible]”——[illegible]

[illegible]——[illegible]——[illegible]——[illegible]——[illegible]“[illegible]”[illegible]——[illegible]——[illegible]

[illegible]200[illegible]100[illegible]1/4[illegible]10[illegible]——[illegible]30[illegible]80[illegible]1870[illegible]1%[illegible]1/4[illegible]1913[illegible]10[illegible]Lower East Side[illegible][26]

[illegible]·H. [illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]Israel Zangwill[illegible]

[illegible]1908[illegible]1909[illegible]Quixano[illegible]

> [illegible]Ellis Island[illegible][27]

[illegible]Vera[illegible]“[illegible]”[illegible]Revendal[illegible]——[illegible]·[illegible]Quincy Davenport[illegible]“[illegible]”[illegible]

[illegible]7[illegible]4[illegible]——[illegible]

> [illegible]——[illegible][28]

1908[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible][29][illegible]*New York Herald*[illegible]·[illegible]Daniel Guggenheim[illegible]“[illegible]”[illegible]·[illegible]

[illegible]“[illegible]”[illegible][30][illegible]1911[illegible]·P.[illegible]William P. Dillingham[illegible]41[illegible]“[illegible]”[illegible]

[illegible]·[illegible]·[illegible]Henry Smith Williams[illegible]1%[illegible]40%[illegible]2/3[illegible][31][illegible]Cold Springs Harbor[illegible]Eugenics Record Office[illegible]·B.[illegible]Charles B. Davenport[illegible]

[illegible]4%[illegible]1[illegible]

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[illegible]1930[illegible]1950[illegible]25[illegible]“[illegible]” [32]

[illegible]

1913[illegible]3[illegible]31[illegible]—[illegible]·[illegible]·[illegible] [33]

[illegible]J. P.[illegible]New York Stock Exchange[illegible]·S.[illegible]Edward S. Curtis[illegible]·[illegible]“[illegible]”[illegible] [34] [illegible]*The Churchman* [illegible]*Banker’s Magazine* [illegible]*Nautical Gazette* [illegible]*American Review of Reviews* [illegible]“[illegible]”[illegible]·[illegible]·[illegible]William Boyd Carpenter[illegible]“[illegible]”[illegible]*Adriatic* [illegible]“[illegible]

[illegible]”[illegible]Jack[illegible]*Independent*[illegible]“[illegible]”[illegible][35]

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[illegible]1913[illegible]“[illegible]”——[illegible]·[illegible]19[illegible]

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1912[illegible]“[illegible]”[illegible]·[illegible]·[illegible]·[illegible]Louis Dembitz Brandeis[illegible]1913[illegible]——[illegible]*Other People’s Money-and How the Bankers Use It*[illegible]1912[illegible][38][illegible]“[illegible]”[illegible][39]

[illegible]Aix-en-Provence[illegible]

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[illegible]J. P.[illegible]——[illegible]19[illegible]
[illegible]——[illegible]
[illegible]
[illegible]1913[illegible]

[illegible]
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[illegible]·[illegible]Woodward Avenue[illegible]（Highland Park[illegible]T[illegible]

[illegible]1913[illegible]50[illegible]“[illegible]”[illegible][1][illegible]*Free Press*[illegible]North Woodward[illegible]“[illegible]”[illegible]1920[illegible]100[illegible][2]

[illegible]“[illegible]”[illegible][3][illegible]“[illegible]”[illegible]——[illegible]Clinton[illegible]Macomb[illegible]Monroe[illegible]（Beaubien）——[illegible]West Jefferson Avenue[illegible]“[illegible]”[illegible]East Canfield[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible][4]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]T[illegible]

[illegible]“[illegible]”[illegible][5]

[illegible]1913[illegible]——[illegible]·[illegible]Walter Gropius[illegible][6][illegible]·[illegible]Albert Kahn[illegible]3/4[illegible]“[illegible]”[illegible][7][illegible]·[illegible]

[illegible]1913[illegible]*Nero Burns Rome*[illegible]Fredro[illegible]Chene[illegible]Kirby[illegible]Sugar Island[illegible][8]

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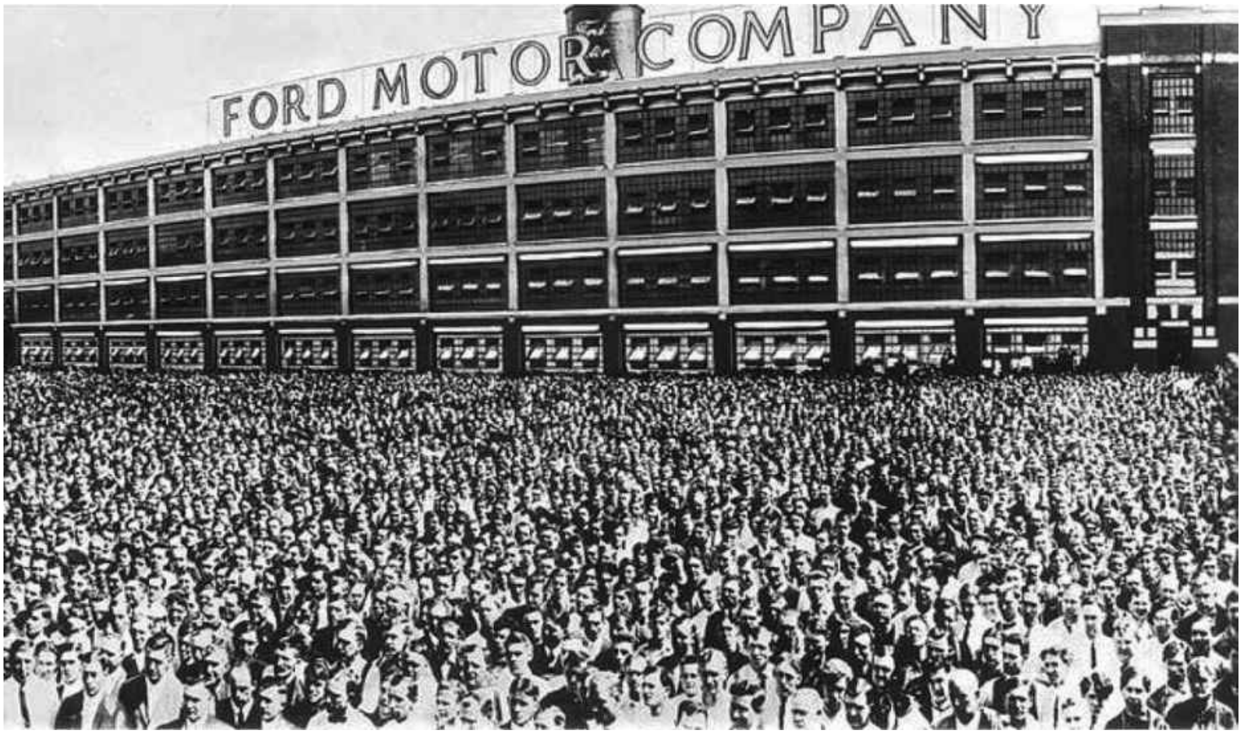
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1913[illegible]——[illegible]——[illegible]

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[illegible]1913[illegible]1905[illegible]1913[illegible]Natal[illegible][2]

[illegible]“[illegible]”[illegible]·[illegible][3]

[illegible][4]

[illegible]——[illegible]

[illegible]·[illegible]Jules Harmand[illegible]1910[illegible]

> [illegible]……[illegible][5]

[illegible]1913[illegible]——[illegible]*Jeunes Algériens*[illegible]——[illegible]“[illegible]”[illegible]*vieux turbans*[illegible]

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1913 5 “ ” Imperial Order of the Daughters of Empire 10 —— *tableaux vivants* *Manitoba Free Press* “500 ” [1] “ ”

Rule, Britannia · · Flora MacDonald *God Save the King* *The Dear Little Shamrock*

O Canada “ ‘ ’ ” [2] “ ” “ ” “ ” ——

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[illegible]“[illegible]……[illegible]”[5][illegible]13[illegible]Camberwell[illegible]Surrey Hills[illegible]

[illegible]*Argus*[illegible]

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[illegible]1913[illegible]400 870[illegible]

[illegible]·[illegible]Stephen Leacock[illegible]1907[illegible]“[illegible]”[7] [illegible]“[illegible]……[illegible]”[illegible]

> [illegible]600[illegible]……[illegible]1 000[illegible]2 000[illegible]1 [illegible]Fort Garry[illegible]50[illegible]

19[illegible]20[illegible]1911[illegible]·[illegible]Wilfrid Laurier[illegible]——[illegible]“[illegible]”——[illegible][8] [illegible]·[illegible]Edmund Barton[illegible]“[illegible]”

[illegible]1913[illegible]

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[illegible]1913[illegible]500[illegible]“[illegible]”[illegible]·[illegible]·[illegible]John Foster Fraser[illegible]“[illegible]……[illegible]”[9] 1902[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”

[illegible]“[illegible]”[illegible]“[illegible]”[10] 1913[illegible]7[illegible]·[illegible]William Watt[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[11] [illegible]C. A.[illegible]C. A. Mitchell[illegible][12] [illegible]Melbourne Overseas Club[illegible]“[illegible]”[illegible][13] [illegible]Flinders Street[illegible]Empire Arcade[illegible]1913[illegible]325[illegible]1.5[illegible]12—14[illegible]Junior Cadets[illegible]1.7[illegible][14]

[illegible]·[illegible]Andrew Fisher[illegible]——“[illegible]”[illegible]

1913[illegible]“[illegible]”10[illegible]*Sydney Morning Herald*[illegible]1770[illegible]

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[illegible]1909[illegible]·[illegible]George Foster[illegible]“[illegible]……[illegible]……[illegible]”[illegible][17]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]3.5[illegible]……[illegible]”[18][illegible]—[illegible]“[illegible]”[illegible]“[illegible]”[illegible][19]

[illegible]1913[illegible]

[illegible]“[illegible]50[illegible]100[illegible]”[illegible]Grain Growers’ Association[illegible]·[illegible]James Scallion[illegible]“[illegible]”[20][illegible]Brandon[illegible]“[illegible]”[illegible][21][illegible]·[illegible]Henri Bourassa[illegible]

[illegible]“[illegible]”[illegible]·[illegible]Robert Borden[illegible]1911[illegible]1913[illegible]3 500[illegible]

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[illegible]1913[illegible]15[illegible]*Canada Newspaper Directory* [illegible]20.5[illegible][26] [illegible]14 861[illegible][27] 1913[illegible]St. Vital[illegible]St. Vital[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible][28] [illegible]

[illegible]1913[illegible]1900[illegible]1871[illegible]241[illegible]40[illegible]1 600[illegible]1911[illegible]“[illegible]”[illegible]Million for Manitoba[illegible]1912[illegible]*Canadian Annual Review* [illegible][29] 1913[illegible]Royal Alexandra Hotel[illegible]Fort Garry Hotel[illegible]200[illegible]2[illegible]5 940[illegible]1912[illegible]1[illegible]1900[illegible]25[illegible][30] [illegible]10[illegible]“[illegible]”[illegible]“[illegible]”[31] “[illegible]”[illegible]1913[illegible]5[illegible]“[illegible]”[32]

[illegible]Portage Avenue[illegible]Union Bank Building[illegible]12[illegible]Eaton’s[illegible]1

000[illegible]Lombard Street[illegible]Winnipeg Grain and Produce Exchange[illegible] [33] [illegible]Manitoba Legislative Building[illegible]1913[illegible]

[illegible]900[illegible]20[illegible]*Twentieth Century Impressions of Canada* [illegible]“[illegible]”[illegible] [34] [illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]13[illegible] [35] [illegible]5[illegible]“[illegible]”[illegible]1913[illegible]4[illegible]2.1[illegible]2[illegible]5[illegible]3[illegible]*Gazeta Katholicka* [illegible] [36] [illegible]Stettin[illegible]Szczecin[illegible]·[illegible]William Leistikow[illegible]1913[illegible]20[illegible]

[illegible]Canadian Pacific Railway[illegible]North End[illegible]1[illegible]112‰[illegible]5[illegible]282‰[illegible] [37] [illegible]·[illegible]·[illegible]James Shaver Woodsworth[illegible]1913[illegible]5[illegible]“[illegible]”[illegible] [38] [illegible]“[illegible]”[illegible]“[illegible]” [39] “[illegible]”[illegible]“[illegible]”[illegible]

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[illegible]19[illegible]——“[illegible]”[illegible] [41] [illegible]1880[illegible]Royal Exhibition Building[illegible]1861[illegible]139 916[illegible]1891[illegible]100[illegible] [42]

[illegible]1893[illegible]10[illegible]1901[illegible]1908[illegible]1913[illegible]19[illegible]80[illegible]20[illegible]1913[illegible]Downing College, Cambridge[illegible]·[illegible]Alex Hill[illegible]“[illegible]” [43]

[illegible]1913[illegible]65.1[illegible]2[illegible]4[illegible] [44]

[illegible]Swanston Street[illegible]Library of Victoria[illegible]·[illegible]Max Berg[illegible]Jahrhunderthalle[illegible] [45] [illegible]

[illegible]St. Kilda Road[illegible]——[illegible]Henley-on-the-Yarra[illegible]“[illegible]”[illegible] [46]
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[illegible]“[illegible]”……[illegible]Melbourne Jockey Club[illegible]75[illegible] [47]

1913[illegible]11[illegible]Posinatus[illegible]Belove[illegible]Ulva’s Isle[illegible]

[illegible]“[illegible]”[illegible] [48] [illegible]1913[illegible]4[illegible]1913[illegible]134[illegible] [49]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible] [50] [illegible]“[illegible]”[illegible]Broken Hill[illegible] [51] [illegible]“[illegible]”[illegible]——[illegible] [52]

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[illegible]” [illegible] “[illegible]” [illegible] 1910 [illegible] *Australia Unlimited* [illegible] “[illegible]” [illegible] “[illegible]” [illegible] [57] [illegible] *terra nullius* [illegible] 1913 [illegible]

[illegible] Assiniboine [illegible] *The Illustrated Souvenir of Winnipeg* [illegible] “[illegible]” [illegible] [58] [illegible] 18 [illegible] 19 [illegible] —— [illegible] Métis [illegible]

[illegible] 1913 [illegible] 7 [illegible] Dominion Day [illegible] 1869—1870 [illegible] 1885 [illegible] 1869 [illegible] Rupert’s Land [illegible] —— [illegible] —— [illegible] · [illegible] Louis Riel [illegible] 1870 [illegible]

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[illegible]19[illegible]70[illegible]Rio de la Plata[illegible]20[illegible]1913[illegible]5[illegible]La Negra[illegible][4][illegible]·[illegible]La Negra[illegible]“[illegible]”[illegible][5]

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[illegible]1906[illegible]

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[illegible]1880[illegible]Plaza de Mayo[illegible][13] [illegible]——

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[illegible]……[illegible]20[illegible]“[illegible]”[illegible][14]

1913[illegible]12[illegible]“[illegible]……[illegible]”[illegible]—[illegible]Anglo-Argentine Tramways Company[illegible][15][illegible]·[illegible]·[illegible]·[illegible]Joaquín Samuel de Anchorena[illegible]“[illegible]”[16][illegible][17]

[illegible]*Porteños*[illegible]1913[illegible]9[illegible]“[illegible]”[illegible][18][illegible]·[illegible]Tamara Karsavina[illegible]·[illegible]*Scheherazade*[illegible]*L’Après-midi d’un Faune*[illegible]Tcherepnin[illegible]——[illegible]“[illegible]”——[illegible][19]“[illegible]”[illegible]“[illegible]”[20][illegible]12[illegible]

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[illegible]Calle San Martín[illegible]Phoenix Hotel[illegible]“[illegible]”[illegible][22] [illegible]Belgrano[illegible][23] [illegible]17[illegible]“[illegible]……[illegible]”[illegible][24] 1913[illegible]“[illegible]”[illegible][25]

[illegible]Marylebone Cricket Club[illegible]1912[illegible]·[illegible]Hugo Wilson[illegible]1913[illegible]1904[illegible]1905[illegible]1909[illegible]1912[illegible]4:1[illegible]San Isidro Athletic Club[illegible]Buenos Aires Rowing Club[illegible]R. V. Teutonia[illegible]Hurlingham Club[illegible]1889[illegible]

[illegible]Barrio Norte[illegible]*gaucho*[illegible]16[illegible]1910[illegible]100[illegible]Jockey Club[illegible]1882[illegible][26][illegible]

[illegible]2/3[illegible][27][illegible]25[illegible]150[illegible]100[illegible]

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[illegible]“[illegible]”[illegible]Calle Independencia[illegible]Catamarca[illegible] [29]

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[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible] [33] [illegible]*J’Accuse*[illegible]“[illegible]” [34]

[illegible]1910[illegible]1810[illegible]

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·[illegible]Gaetano Moretti[illegible]
[illegible]Plaza Francia[illegible]
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[illegible]“[illegible]……[illegible]”[illegible]“[illegible]” [38]

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[illegible]“[illegible]”[illegible]1910[illegible]“[illegible]” [39] [illegible]*caudillos* [illegible]

[illegible]1892
[illegible]1905[illegible]
[illegible]1902[illegible]

[illegible]1902[illegible]1907[illegible]1 000[illegible]1909[illegible]·[illegible]Ramón Falcón[illegible]1910[illegible]100[illegible]1912[illegible]·[illegible]·[illegible]Roque Sáenz Peña[illegible]

1913[illegible]“[illegible]”10[illegible][40]

1913[illegible]“[illegible]1[illegible]—1.5[illegible]‘[illegible]’[1][illegible]”[illegible][41][illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]·[illegible][42][illegible]“[illegible]……[illegible]”[illegible][43][illegible]10[illegible]

“[illegible]——”[illegible]·[illegible]Harry Jenkings[illegible]“[illegible]……[illegible]……‘[illegible]’”[44][illegible]

[illegible]Avenida de Mayo[illegible]Palermo[illegible]

[illegible]“[illegible]‘[illegible]’[illegible]……[illegible]”[45][illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[46][illegible]“[illegible]”“[illegible]”[illegible]“[illegible]”[illegible]5[illegible]

[illegible]·[illegible]Anne Robinson[illegible]“[illegible]”[illegible]“[illegible]”[47]“[illegible]”[illegible]25[illegible]60[illegible]“[illegible]”[illegible]“[illegible]1[illegible]7[illegible]”[illegible]“[illegible]”[illegible]

[illegible]6[illegible]60[illegible]

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[1] [illegible]Bones the Butcher[illegible]Happy Families[illegible]——[illegible]

[illegible]
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1913[illegible]——[illegible]——[illegible]Oran[illegible]*départements*[illegible]

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[illegible]“[illegible]”[illegible]

80[illegible]1830[illegible]1848[illegible]“[illegible]”[illegible]Springtime of the Nations[illegible]1913[illegible]19[illegible]70[illegible]

[illegible]·[illegible]Eugène Étienne[illegible]

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1913 “ ” “ ”

[2]



1913

[illegible]13[illegible][3][illegible]
19[illegible]·[illegible]1882[illegible][4]

[illegible]Bône[illegible]Annaba[illegible]Philippeville[illegible]Skikda[illegible][5][illegible]1909[illegible]1910[illegible]1913[illegible]“[illegible]”[illegible]“[illegible]”[6][illegible]“[illegible]”[illegible]“[illegible]”[7]“[illegible]”[illegible]·[illegible]Rachel Humphreys[illegible]“[illegible]”[8]

[illegible]*Boulevard Carnot*[illegible]Boulevard de la République[illegible]*bouillabaisse*[illegible]Place du Gouvernement[illegible]19[illegible]Duke d’Orléans[illegible]Café Apollon[illegible][9]

[illegible]——[illegible]——[illegible]Mosquée de la Pêcherie[illegible]——[illegible]450[illegible]72[illegible]1870[illegible]

[illegible]Casbah[illegible]

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“[illegible]”[illegible]*Joanne* [illegible]“[illegible]”[10] [illegible]·[illegible]“[illegible]”[illegible]“‘[illegible]’[illegible]”[11] [illegible]Mustapha-Supérieur[illegible]Boulevard Bon-Accueil[illegible]Hôtel Continental[illegible][12]

[illegible]·[illegible]Isabelle Eberhardt[illegible]

> [illegible]……[illegible][13]

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[illegible]·[illegible]·[illegible]Eugène de Redon[illegible]

[illegible]“7[illegible]14[illegible]

[illegible]![illegible]” [17] [illegible]1909[illegible]

[illegible]

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1901[illegible]Margueritte[illegible]40[illegible]1913[illegible]Constantine[illegible]·[illegible]André Servier[illegible]*Le Péril de l’avenir* [illegible] [18] [illegible]“[illegible]”[illegible]“[illegible]”[illegible] [19] 1913[illegible]1913[illegible] [20]

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[illegible]1/4[illegible]*Béni Oui-Oui*[illegible]21[illegible]5 000[illegible]

[illegible]——[illegible]1913[illegible]·[illegible]Chérif Benhabylès[illegible]“[illegible]”[25][illegible]

[illegible]“[illegible]·[illegible]·[illegible]·[illegible]……[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible] [26] [illegible]·[illegible]Emir Khaled[illegible]1913[illegible] [27] [illegible]——“[illegible]”——[illegible] [28] [illegible]“[illegible]”[illegible] [29]

[illegible]——[illegible]——[illegible]1908[illegible]·[illegible]1912[illegible]·[illegible]·[illegible]—[illegible]*Alliance Franco-indigène* [illegible]

1913[illegible]

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[illegible]1912[illegible]1913[illegible]·[illegible]·[illegible]1913[illegible]

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[illegible]

1912[illegible]12[illegible]23[illegible]Red Fort[illegible]Chandni Chowk Road[illegible]——[illegible]·[illegible]Charles Hardinge[illegible]*howdah*[illegible]“[illegible]”[illegible]“[illegible]”[1]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]Khan Bahadur Sheikh Abdullah[illegible]Punjab National Bank[illegible][2][illegible]3[illegible]——[illegible]——[illegible]

[illegible]——[illegible]*swadeshi*[illegible]——[illegible]

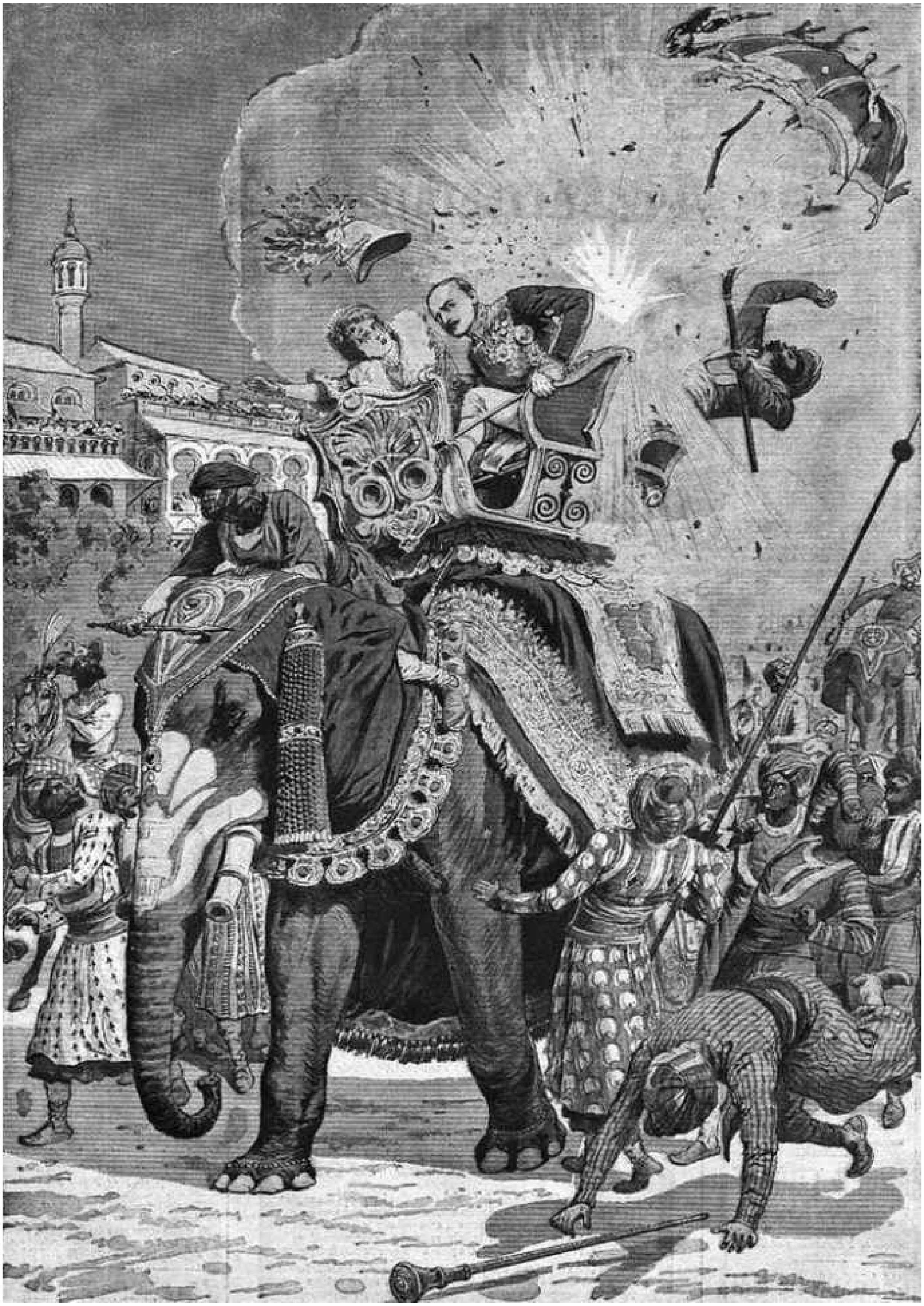
[illegible]1911[illegible]—[illegible]·[illegible]“[illegible]”[illegible][3][illegible]

[illegible]1913[illegible][4][illegible]

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[illegible]·[illegible]1913[illegible]“[illegible]”[illegible]·[illegible]·[illegible]William Wilson Hunter[illegible]“[illegible]”[8]



[illegible]1911[illegible]—[illegible]1913[illegible]“Javer Baug[illegible]……Nar-Narayan[illegible]‘[illegible]’[illegible]”[illegible]·[illegible]·[illegible]Purushottam Balkrishna Joshi[illegible]*Empire-Day and Our Duties and Responsibilities*[illegible][9][illegible]—[illegible]“[illegible]Karvir[illegible]”[illegible]“[illegible]”

[illegible]“[illegible]”[illegible][10][illegible]

> [illegible]……[illegible]

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[illegible]——[illegible]60[illegible]——[illegible]

[illegible]1913[illegible]——[illegible]——[illegible]——[illegible]——[illegible]——[illegible]1892[illegible]Finsbury Central[illegible]·[illegible]Dadabhai Naoroji[illegible]——[illegible]

[illegible]——[illegible]——[illegible]“[illegible]”[illegible]1901[illegible]“[illegible]”[11][illegible]1913[illegible][12][illegible]1/3[illegible]“[illegible]”[illegible]Home Charges[illegible]“[illegible]”[illegible]1913[illegible]·[illegible]·[illegible]

1913[illegible]

[illegible]1661[illegible]Catherine of Braganza[illegible]

17[illegible]1853[illegible]Thana[illegible]1912[illegible]Mazagon-Sewri[illegible]583[illegible][13][illegible]1913[illegible]100[illegible]

[illegible]

1854[illegible]Cowasji Dawar[illegible]1911[illegible]Tata Hydroelectric Power Plant[illegible]Lonavala[illegible][14] “[illegible]1911[illegible]”[illegible]“[illegible]”[illegible][15] “[illegible]”[illegible]

[illegible][16]

[illegible][17] [illegible]1913[illegible]·[illegible]*Raja Harishchandra* [illegible]“[illegible]——[illegible]——[illegible]”[illegible][18] [illegible]19[illegible]80[illegible]Victoria Terminus[illegible]14[illegible]Taj Mahal Hotel[illegible]1903[illegible]·[illegible]Jamsetji Tata[illegible]“[illegible]”[illegible]*Urbs Prima in Indis* [illegible]“[illegible]”[illegible]·[illegible]“[illegible]/ [illegible]/ [illegible]” [19]

[illegible]“[illegible]”19[illegible]Bojidar Karageorgevitch[illegible]“[illegible]” [20] [illegible]

[illegible]……[illegible]……[illegible]

[illegible]·[illegible]·[illegible]Count Hans von Koenigsmarck[illegible]——“[illegible]”[illegible][21][illegible]“[illegible]”[illegible]

[illegible]——[illegible]100[illegible]

[illegible]Back Bay[illegible]Malabar Hill[illegible]“[illegible]”[22]

[illegible]·[illegible]Stephen Edwardes[illegible]1913[illegible]“[illegible]”[illegible]

[illegible]Memon[illegible]Khoja[illegible]……[illegible]……[illegible][23]

[illegible]1911[illegible]3/4[illegible][24] 1893[illegible]80[illegible]1898[illegible]1904[illegible]“[illegible]”[illegible]“[illegible]……[illegible]”[illegible][25] 1911[illegible]20[illegible]“[illegible]”[illegible][26]

[illegible]1908[illegible]*Imperial Gazetteer* [illegible]“[illegible]Chaupati[illegible]*Rajabai* [illegible]·[illegible]Gilbert Scott[illegible]Secretariat[illegible]Colaba[illegible]‘[illegible]’[illegible]”[27] [illegible]“[illegible]”[illegible][28] 1913[illegible]Bombay Mill Owners’ Association[illegible]·[illegible]·[illegible]Jehangir Bomanji Petit[illegible]“[illegible]”[29]

[illegible]·[illegible]·[illegible]“[illegible]”[illegible][30] [illegible]1913[illegible]*Thacker’s Bombay Directory* [illegible]2 398[illegible]01[illegible]G.H.[illegible]G. H. Hewett[illegible]Gwalior[illegible]02[illegible]03[illegible]04[illegible][31] [illegible]·[illegible]John Begg[illegible]·[illegible]George Wittet[illegible]—[illegible][32]

[illegible]Apollo Bunder[illegible]Royal Bombay Yacht Club[illegible]·[illegible]“[illegible]

[illegible]”[33] [illegible]*Westminster Gazette* [illegible]·[illegible]·[illegible]John Alfred Spender[illegible]“[illegible]Plymouth Hoe[illegible]”[illegible]1911[illegible]“[illegible]100[illegible]*Samson and Delilah* [illegible]”[34] “[illegible]”[illegible]“[illegible]”[illegible]

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[illegible][36]

[illegible]1886[illegible]1892[illegible]1912[illegible]

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1913[illegible]Mysore[illegible]

1912[illegible]·[illegible]·[illegible]Transvaal Chinese Association[illegible]·[illegible]Louis Botha[illegible]F. C. [illegible]F. C. Hollander[illegible]*Vande Mataram* [illegible]“[illegible]……[illegible]” [38] [illegible]·[illegible]·[illegible]

[illegible]Phoenix[illegible]1912[illegible] [39]

[illegible]1912[illegible]“[illegible]”[illegible]

[illegible]1910[illegible]Cape Colony[illegible]Orange Free State[illegible]——[illegible]“[illegible]”[illegible] [40] [illegible]

[illegible]1910[illegible]·[illegible]·[illegible]Barry Hertzog[illegible]1913[illegible]

[illegible]1:10[illegible]1:2[illegible]Transvaal[illegible]1:3[illegible][41][illegible]1/3[illegible]1899[illegible]Milner[illegible]“[illegible]”[illegible][42]1910[illegible]——[illegible]6 000[illegible]1913[illegible]“[illegible]”[illegible]*New Zealand*[illegible]

[illegible]19[illegible]60[illegible]1911[illegible]——[illegible]“[illegible]”[illegible]——[illegible][43]

[illegible]19[illegible]70[illegible]“[illegible]”[illegible]1908[illegible][44][illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[illegible] [45] [illegible]1906[illegible]3 000[illegible]24[illegible]18[illegible]·[illegible]“[illegible]”[illegible] [46] [illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible] [47] [illegible]“[illegible]—[illegible]Colborne-Smith[illegible]”[illegible]*Indian Opinion*[illegible]“[illegible]” [48]

1913[illegible]2[illegible]*Natal Mercury*[illegible]12[illegible]·[illegible]Ahmed Kotwal[illegible]“[illegible]”[illegible]*Markgraf*[illegible]Polak[illegible]“[illegible]” [49] [illegible]

> [illegible] [50]

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[illegible]Jan Smuts[illegible]

[illegible]1913[illegible]——[illegible]——[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible] [52]

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[illegible]“[illegible]”[illegible] [54] [illegible]3[illegible]1912[illegible]



[illegible]·[illegible]·[illegible]1912[illegible]

[illegible]“[illegible]”[illegible]·[illegible]——[illegible]

[illegible]3[illegible]“[illegible]”[illegible]10[illegible]“[illegible]”[55]

[illegible]1913[illegible]10[illegible]·[illegible]Thambi Naidoo[illegible]C.R.[illegible]C. R. Naidoo[illegible]

[illegible]Natal Indian Congress[illegible]

[illegible]1913[illegible]11[illegible]“[illegible]”[illegible]“[illegible]”[illegible][56][illegible]

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[59] [illegible]1913[illegible]12[illegible]3[illegible]·[illegible]·[illegible]1913[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]20[illegible]3[illegible]

1913[illegible]1913[illegible]“[illegible]1913[illegible]6[illegible]20[illegible]”[illegible]·[illegible]·[illegible]Solomon Tshekisho Plaatje[illegible]*Natives Land Act* [illegible][60]

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[illegible]1910[illegible]“[illegible]”[illegible]·[illegible]（William Schreiner[illegible][61][illegible]

[illegible]“[illegible]”[illegible]Lagden Commission[illegible]1905[illegible][62][illegible]1906[illegible]5%[illegible]2%[illegible]9%[illegible]30%[illegible][63][illegible]“[illegible]”[illegible]·[illegible]

[illegible]·[illegible]（John Dube[illegible]Phoenix[illegible]Ohlange[illegible]“[illegible]……[illegible]”[illegible][64][illegible]“[illegible]”[65]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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1913 [illegible] 6 [illegible] "[illegible] —— [illegible]" [70] [illegible] "[illegible]" —— [illegible]

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> [illegible]……[illegible][6]

1913 Isfahan Batumi

1892 *Persia and the Persian Question* [7] 20 “ ”

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1913 Mashhad Qom “ ” “ ” [8] [9]

“ ” · Taj al-Saltana “ ”——

> [illegible]“……[illegible]”[10]

[illegible]1913[illegible]International Women’s Suffrage Alliance[illegible]·[illegible]·[illegible]Carrie Chapman Catt[illegible]“[illegible]”[11][illegible]·[illegible]

[illegible]1 200[illegible][12][illegible]250[illegible]20[illegible]——[illegible]10[illegible]Yazd[illegible]Shiraz[illegible]·[illegible]

[illegible]20[illegible]19[illegible]90[illegible]20[illegible]

[illegible]

· · William Morgan Shuster 1911 1912 “ ” [13]

19 90 50 1896 · Nasser al-Din Shah “ ”

> [14]

1872 · · Paul Julius de Reuter [15] Tabriz Julfa 1890 —— Imperial Bank of Persia —— Banque des Prêts Banque d’Escompte de Perse —— 20

19[illegible]80[illegible]90[illegible]·[illegible]·[illegible]Sayyid Jamal al-Din ‘Afghani’[illegible]1891[illegible][16] 1892[illegible]

> [illegible][17]

1896[illegible]·[illegible]·[illegible]·[illegible]Muzaffar al-Din Shah[illegible]

[illegible]1913[illegible]1905[illegible]1906[illegible]·[illegible]1907[illegible]·[illegible]·[illegible]Muhammad Ali Shah[illegible]“[illegible]”[illegible]“[illegible]”[illegible][18] [illegible]

[illegible]1907[illegible]

[illegible]·[illegible]·[illegible]1908[illegible]1909[illegible]

[illegible]12[illegible]“[illegible]”[illegible][19]

[illegible]1911[illegible]·[illegible]·[illegible]“[illegible]”[illegible][20][illegible]·[illegible]（Peary）[illegible]（Cairns）[illegible]“[illegible]·[illegible]”[21][illegible]·[illegible]

[illegible]

[illegible]1913[illegible]（Mornard）[illegible]“[illegible]”[illegible][22][illegible]·[illegible]

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10 · · （William Knox D’Arcy） · [23] “ ” [24]



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1913 7 “

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Royal Dutch Shell

· · 1908

1913 Anglo-Persian Oil Company British Petroleum

Muhammerah

Khorramshahr Sheikh Khaz’al

[26]

1910 Sheikh Khaz’al

1913

1912 Turkish Petroleum Company

Fisher

1913 · Edmond Slade

Karun River Maidan i-Naphtun White Oil Springs

1913 10 23 Muhammerah

1914 1

1913 —— ——

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1913[illegible]

[illegible]·[illegible]Jules Védrines[illegible]1911[illegible]—[illegible]Taurus[illegible]1913[illegible]12[illegible]Jaffa[illegible]

[illegible]·[illegible]Marc Bonnier[illegible]Old City[illegible]“[illegible]”[illegible]“[illegible]——[illegible]”[illegible][1][illegible]



1913[illegible]

1913[illegible]10[illegible]1/4[illegible]1/4[illegible][2][illegible]the Husseinis[illegible]the Khalidis[illegible]*sancak*[illegible]

[illegible]1913[illegible]60[illegible]50[illegible]40[illegible]*mutassarif*[illegible]——[illegible]——[illegible]*vilayet*[illegible][3][illegible]

1898[illegible]Church of the Redeemer[illegible]Church of the Holy Sepulchre[illegible]Temple Mount[illegible]Dome of the Rock[illegible]Al Aqsa Mosque[illegible]Western Wall[illegible]1 800[illegible][4][illegible]

[illegible]·[illegible]Selma Ekrem[illegible]1906[illegible][5][illegible]9[illegible]30[illegible]“[illegible]”[illegible]Gethsemane[illegible]——“[illegible]”[illegible]——“[illegible]”[illegible]

1[illegible]40[illegible]

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[illegible]3[illegible]

“[illegible]”[illegible]“[illegible]”

4[illegible]Omar’s

mosque[illegible]

“[illegible]”[illegible]“[illegible]” [6]

[illegible]·[illegible]“[illegible]” [7] [illegible]

[illegible]Bi’r Ayyub[illegible]·[illegible]Wasif Jawhariyyeh[illegible]*faqih* [illegible] [8] [illegible]Austrian Hospice[illegible]*oud* [illegible]·[illegible]Muhammad al-Ashiq[illegible]“[illegible]*argileh* [illegible]”[illegible] [9]

[illegible]1913[illegible]——[illegible]*Yishuv* [illegible]——[illegible]——[illegible]——[illegible]

[illegible]1908[illegible]

Seraii[illegible] [10] [illegible]Qalonia[illegible]

[illegible]·[illegible]Hussein al-Husseini[illegible]1914[illegible]*Ha-Herut*[illegible]“[illegible]”[illegible] [11] [illegible]Mea Shearim[illegible]Yemin Moshe[illegible]Musrara[illegible]Sheikh Jarrah[illegible]

> [illegible]1904[illegible]1906[illegible] [12]

[illegible]Notre Dame de France[illegible]——[illegible]——[illegible]“[illegible]”[illegible] [13]

[illegible]1913[illegible]400[illegible]

[illegible]——[illegible]——[illegible]*piastres*[illegible]

[illegible]——[illegible]*starets*[illegible]1911[illegible] [14] [illegible]Damascus Gate[illegible]Via Dolorosa[illegible]·[illegible]——1896[illegible]·[illegible]

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“”·Stephen Graham1912“”[15]500

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[illegible]·[illegible]Thomas Cook[illegible]“[illegible]”[illegible]——“[illegible]”——[illegible]

1913[illegible]

[illegible]American Colony[illegible]Spafford[illegible]Ramallah[illegible]·[illegible]Jacob Eliahu[illegible]1896[illegible][19] [illegible]

> [illegible]·[illegible]Ahmed Effendi[illegible]·[illegible]Sheikh Mohammed[illegible]Hussain[illegible]·[illegible]·[illegible]Faidi Effendi al Alami[illegible]buklaway[illegible]geribi[illegible]mamoul[illegible]“Karabidj Halab”[illegible]Aleppo[illegible]Suliman[illegible]Baldensperger[illegible][20]

7[illegible]4[illegible][21] [illegible]·[illegible]Edith Spafford[illegible]1913[illegible]Zionist Organization[illegible][22] 1909[illegible]·[illegible]Selma Lagerlöf[illegible]1908[illegible]·[illegible]·[illegible]Klas Pontus Arnoldson[illegible]1913[illegible]“[illegible]”[illegible]*Jerusalem själ* [illegible]

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1913[illegible]11[illegible]Mount Scopus[illegible]“[illegible]Mount Zion[illegible]”[illegible][24]

[illegible][25][illegible]1913[illegible]“[illegible]”[illegible][26][illegible]“[illegible]”[illegible]“[illegible]”[illegible]*Kunstwerk* [illegible]“[illegible]”[illegible]*Stadtpass* [illegible]*Stickluft* [illegible]*Sticksto* [illegible]*Stiefsohn* [illegible]

[illegible]11[illegible]“[illegible]”[27][illegible]“[illegible]10[illegible]”[illegible]1913[illegible]12[illegible]“[illegible]Kruft[illegible]”[illegible]“[illegible]”[28]

[illegible]1913[illegible]

[illegible]1913[illegible]·[illegible]Victor Jacobson[illegible]1913[illegible]“[illegible]

[illegible]” [29] [illegible]6[illegible]Arab Congress[illegible]·[illegible]Sami Hochberg[illegible]*Le Jeune Turc* [illegible] [30]

[illegible]·[illegible]Shimon Moyal[illegible]1913[illegible]HaMagen[illegible] [31] [illegible]“[illegible]”[illegible]1913[illegible]“[illegible]” [32]

1908[illegible]1911[illegible]·[illegible]Najib Nassar[illegible]——[illegible]*Zionism: Its History, Objectives and Importance* [illegible]“[illegible]” [33] [illegible]·[illegible]Ruhi Khalidi[illegible]1913[illegible]

[illegible]Rehovot[illegible]Zarnuqa[illegible] [34] [illegible]*HaShomer* [illegible]Zarnuqa[illegible]“[illegible]”[illegible] [35] [illegible]“[illegible]”[illegible]“[illegible]” [36]

[illegible] 11 [illegible] *Falastin* [illegible]

[illegible][37]

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1913 [illegible] 12 [illegible] · [illegible]

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[illegible]Kozyatyn[illegible]Podvolochisk[illegible]

1913[illegible]1914[illegible]Alexandria[illegible]“[illegible]”[illegible]“[illegible]”——

> [illegible][39]

[illegible]“[illegible]”1914[illegible]2[illegible][40]

[illegible]Petah Tikva[illegible]——[illegible]——[illegible]

[illegible]4[illegible]“[illegible]”[illegible][41][illegible]

H. H. Berlin

1913



[illegible]Galata Bridge[illegible]“[illegible]”[illegible]1913[illegible]“[illegible]”

[illegible]Abbasid Caliphate[illegible]

[illegible]1913[illegible]——[illegible]——[illegible]——[illegible]

1898[illegible]Salisbury[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible][1][illegible]——[illegible]——[illegible]“[illegible]”[illegible]

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[illegible]1913[illegible]“[illegible]”[illegible]“[illegible]”[illegible]20[illegible]——[illegible]——[illegible]——[illegible]——[illegible]——[illegible]——[illegible]

“[illegible]”[illegible]·[illegible]Elizabeth Kendall[illegible]1913[illegible]“[illegible]”[3][illegible]1898[illegible]“[illegible]”[illegible]20[illegible]

[illegible]19[illegible]20[illegible]19[illegible]60[illegible]1878[illegible]19[illegible]80[illegible]19[illegible]2 000[illegible]1/10[illegible][4][illegible]

[illegible]1898[illegible]50[illegible]——[illegible]“[illegible]”[illegible]19[illegible]60[illegible]1880[illegible]1884[illegible]5[illegible]1895[illegible]

[illegible]——[illegible]·[illegible]1898[illegible]“[illegible]”[illegible][5][illegible]19[illegible]80[illegible]

15[illegible]1913[illegible]1913[illegible]1908[illegible]“[illegible]”[illegible]——[illegible]——1913[illegible]——[illegible]

[illegible]……[illegible][6]

[illegible]“[illegible]”[illegible]·[illegible]Sax Rohmer[illegible]1913[illegible]*The Mystery of Dr. Fu-Manchu* [illegible]

[illegible]——[illegible]1898[illegible]1913[illegible]10[illegible]

[illegible]19[illegible]19[illegible]50[illegible]1854[illegible]Perry[illegible]

[illegible]19[illegible]60[illegible]1867[illegible]1868[illegible]bakufu[illegible]——[illegible]shogun[illegible]——[illegible]7[illegible]1913[illegible]Emperor Meiji[illegible]“[illegible]”[illegible]the Meiji Restoration[illegible]1869[illegible]*Introduction to the Countries of the World* [illegible][7] 1871[illegible]50[illegible]205[illegible]122[illegible]23[illegible]

[illegible]“[illegible]1800[illegible]”[illegible][8][illegible]“[illegible]”[illegible]1889[illegible]

[illegible]25[illegible]1894—1895[illegible]1901[illegible]“[illegible]Nippon[illegible]Japan[illegible]‘[illegible]’[illegible]Japs[illegible]”[illegible][9] 1902[illegible]1904[illegible]1905[illegible]——[illegible]10[illegible]——[illegible]1913[illegible]

[illegible]1912[illegible]

[illegible]——[illegible]1913[illegible]

[illegible]1913[illegible]——[illegible]——[illegible]

1897[illegible]60[illegible]·[illegible]*Recessional* [illegible]

毋忘吾人所受之警告——

毋忘吾人所负之挚爱——

吾英国人，吾英国人：

吾英国人，须有所行动：

吾英国人，须有一片自由之地

毋论何以为战——须将我英国颂扬

贝斯特的这首诗作，当年即由卡彭特配上15世纪英格兰民歌的曲调，在全英广为传唱。1911年，这首诗配上了另一个曲调，在伦敦水晶宫（Crystal Palace）的帝国节庆典上（Festival of Empire）上被当场朗读[10]，以歌颂英国的强大和号召英国人的民族自信。

由此可见，贝斯特的诗文在当时无疑是相当被英国社会所重视的，但是，她本人的事业与生活却在1913年遭到了重创，当时，多年以来追随和支持她的丈夫乔治·卡彭特宣告病重，两年后，她的丈夫宣告病逝，这件事给了贝斯特很大打击，加之一次大战爆发后，她所歌颂的大英帝国精神——崇尚和平——在战争中被践踏无遗。于是，贝斯特在战后逐渐淡出了文坛，更多地将自己隐入了“家庭”之中，在生命的最后时光里，她更多地致力于妇女解放和社会改革事业。

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1913[illegible]——[illegible]——[illegible]26[illegible]330[illegible]50[illegible]1453[illegible]——[illegible]——[illegible]——[illegible]

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“[illegible]”[illegible]·[illegible]Hermann Barth[illegible][2][illegible]1913[illegible]“[illegible]”[illegible]

[illegible]——[illegible]——[illegible]——[illegible]——[illegible]——[illegible]“[illegible]……[illegible]‘[illegible]’[illegible]”[3][illegible]*Karagöz*[illegible]

[illegible]Ashura[illegible]“[illegible]”[illegible][4] [illegible]1913[illegible]1/4[illegible]1/10[illegible]19[illegible]90[illegible][5]

[illegible]1909[illegible]·[illegible]Mary Poynter[illegible]“[illegible]……[illegible]”[illegible][6] [illegible]“[illegible]”[illegible][7] 1912[illegible]78[illegible]Joachim[illegible]“[illegible]……[illegible]”[illegible][8]

[illegible]*Nowruz* [illegible]1913[illegible]Sainte Marie Draperis[illegible]Pallavicini[illegible]Bompard[illegible]“[illegible]”[illegible][9]

[illegible]5.2[illegible][10] [illegible]·[illegible]—[illegible]David Ben-Gurion[illegible]·[illegible]—[illegible]Yitzhak Ben-Zvi[illegible]

[illegible]Golden Horn[illegible]——[illegible]

[illegible]Stamboul[illegible]Topkapi[illegible]11[illegible]Ayasofya[illegible]Galata[illegible]Pera[illegible]Beyoğlu[illegible]“[illegible]”[illegible]*Frengistan* [illegible]19[illegible]Dolmabahçe[illegible]Çirağan[illegible]Yildiz[illegible]

[illegible]——[illegible]—[illegible]Abdül Hamid II[illegible]

19[illegible]70[illegible]·[illegible]·[illegible]Edmondo De Amicis[illegible]

> [illegible]Trebizond[illegible]……[illegible]……[illegible] [11]

20[illegible]—[illegible]1912[illegible] [12]

[illegible]·[illegible]——[illegible]——[illegible]“[illegible]”[illegible]19[illegible]1838[illegible]1875[illegible]Caisse de la Dette Publique Ottomane[illegible]1911[illegible] [13] [illegible]

1876—1909[illegible]—[illegible]——[illegible]Young Ottomans[illegible]——[illegible]1878[illegible]—[illegible]30[illegible]—[illegible]

[illegible]——[illegible]1889[illegible]100[illegible]——[illegible]——[illegible][14][illegible]Committee of Union and Progress[illegible]“[illegible]”[illegible]Salonica[illegible]·[illegible]Mehmed Talat[illegible]·[illegible]Ismail Enver[illegible]20[illegible]

[illegible]——[illegible]—[illegible]

[illegible]——[illegible]20[illegible]——[illegible]——[illegible]·[illegible]“[illegible]”[illegible][15][illegible]

1908[illegible]6[illegible]7[illegible]·[illegible]Şemsi Pasha[illegible]—[illegible]30[illegible]

[illegible]“[illegible]”[illegible]·[illegible]

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[illegible]“[illegible]”——[illegible]——[illegible]—[illegible]·[illegible]

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[illegible]—[illegible][1][illegible]Ferdinand[illegible]1909[illegible]4[illegible]

[illegible]“[illegible]”[illegible]Army of Deliverance[illegible]“[illegible]”[illegible][19][illegible]——“[illegible]”[illegible][20][illegible]

[illegible]—[illegible]1909[illegible]4[illegible]29[illegible]2[illegible]45[illegible]·[illegible]“[illegible]”[illegible][21][illegible]400[illegible]1911[illegible][22][illegible]·[illegible]*Mahmud*

Shevket Pasha [illegible]

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[illegible][24] G. F.[illegible]G. F. Abbott[illegible]"[illegible]"[illegible][25] [illegible]1/4[illegible]1/6[illegible][26] [illegible]1910[illegible]

[illegible]"[illegible]"[illegible]·[illegible]"[illegible]"[illegible][27] [illegible]·[illegible]Le Corbusier[illegible]·[illegible]·[illegible][28] [illegible]"[illegible]"[29]

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1913[illegible]·[illegible]Robert Hichens[illegible]"[illegible]"[illegible]"[illegible]"[illegible][30] [illegible]

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1913 11 · Henry Morgenthau Grand Bazaar " " [33]

Ottoman Bank 1896 Dashnak 1856 1895 1875 " "

[illegible]Grande Rue de Pera[illegible]——[illegible]Pazar Alman[illegible]Bon Marché[illegible]349[illegible][34][illegible]Treugolnik[illegible]“[illegible]”[illegible]100[illegible]

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[illegible]·[illegible]·[illegible]Ahmed Cevdet Paşa[illegible]“[illegible]”[illegible][41][illegible]·[illegible]Ahmed Rasim[illegible]

> ……[illegible]Izmir[illegible][42]

[illegible]“[illegible]”[illegible]“[illegible]”[43][illegible]——[illegible]

1906[illegible]·[illegible]Zeyneb Hanoum[illegible]“[illegible]”[illegible][44][illegible]6[illegible]“[illegible]”[45][illegible]

[illegible]·[illegible]·[illegible]Alexander van Millingen[illegible][46][illegible]20[illegible]19[illegible]70[illegible]·[illegible]“[illegible]‘[illegible]’[illegible]”[47][illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[48][illegible]19[illegible]40[illegible]

[illegible]1888[illegible]8[illegible]14[illegible]Sirkeci[illegible]Haydarpaşa[illegible][49]

1913[illegible]——[illegible]·[illegible]

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[illegible][50][illegible]·[illegible]Edith Durham[illegible]1909[illegible]*High Albania*[illegible]

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[illegible]Edirne[illegible]·[illegible]

[illegible]1911[illegible]Battle of Adowa[illegible]1896[illegible]·[illegible]1912[illegible]Dodecanese[illegible]

1912[illegible]10[illegible]Balkan League[illegible][52][illegible]——[illegible]“[illegible]——[illegible]”[53]

[illegible]1912[illegible]11[illegible]Adrianople[illegible]1912[illegible]1913[illegible]·[illegible]Lady Lowther[illegible]

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1913[illegible]1913[illegible]1[illegible]23[illegible]

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[illegible]1913[illegible]3[illegible]5[illegible]6[illegible]7[illegible]·[illegible]·[illegible]——[illegible]

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[illegible]1907[illegible]10[illegible]·[illegible]Henri Borel[illegible]“[illegible]”[illegible]“[illegible]……[illegible]” [25] [illegible]Grand Hôtel des Wagons Lits[illegible]“[illegible]” [26]

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[illegible]52[illegible][28] [illegible]——[illegible]——[illegible]“[illegible]”[illegible]1910[illegible]7[illegible]

[illegible]——[illegible]1844[illegible]44[illegible]1855[illegible]10[illegible][29] 1908[illegible]20[illegible]*Twentieth Century Impressions of Hongkong, Shanghai, and Other Treaty Ports of China* [illegible]

> [illegible]13[illegible]……[illegible]……[illegible][30]

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[illegible]the Bund[illegible]*band* [illegible][34] [illegible]·[illegible]Robert Hart[illegible]1911[illegible]1897[illegible]Shanghai Club[illegible]——“[illegible]”——[illegible][35] [illegible]Concordia Club[illegible]1904[illegible]Prince Adalbert of Prussia[illegible]

[illegible]

[illegible]……[illegible]……[illegible]……[36]

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[illegible]100[illegible]1913[illegible]13 346[illegible]——[illegible]4 465[illegible]3 361[illegible]1 495[illegible]940[illegible]317[illegible]113[illegible]83[illegible]49[illegible]11[illegible]7[illegible][39][illegible]1905[illegible]

[illegible]1898[illegible][40] 1913[illegible]“[illegible]”[illegible][41][illegible]19[illegible]90[illegible]·[illegible]·[illegible]Eliza Ruhamah Scidmore[illegible]1914[illegible][42][illegible]1861[illegible]Mary Farnham Girl’s School[illegible]1864[illegible]St. Francis Xavier’s College[illegible]1881[illegible]St. Mary’s Hall[illegible]1897[illegible]Eliza Yates Memorial School[illegible][43][illegible]——[illegible]——[illegible]



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[illegible]……[illegible][47]

1913[illegible]*What the Chinese in Shanghai Ought to Know*[illegible]“[illegible]”[illegible]

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[illegible]1905[illegible]1908[illegible]——[illegible]——[illegible]

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1913[illegible]

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> [illegible]…… [53]

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[illegible]“[illegible]”[illegible][62]

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[illegible]“[illegible]”[illegible][64] [illegible]“[illegible]”[65]

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[illegible]

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“[illegible]”[illegible]——35. 6[illegible]8[illegible]15. 2[illegible]16[illegible]53[illegible]8[illegible]——[illegible][4][illegible]“[illegible]”[illegible]“[illegible]”[illegible]12[illegible]“[illegible]”[illegible]——[illegible]“[illegible]”[illegible]10[illegible]9[illegible][5][illegible]1901[illegible]

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[illegible] [6] [illegible]“[illegible]”[illegible]50[illegible]“[illegible]……[illegible]5 000[illegible]” [7]

[illegible]

[illegible]Chamberlain[illegible]Mason[illegible]1913[illegible]*Handbook for Travellers in Japan* [illegible]4[illegible]“[illegible]”[illegible] [8] “[illegible]Cascine[illegible]”[illegible]·[illegible]·[illegible]19[illegible]90[illegible]——

> [illegible]……[illegible] [9]

[illegible]——[illegible]50[illegible]1912[illegible]

[illegible]1868[illegible]100[illegible]1868[illegible]“[illegible]”[illegible]——[illegible]——[illegible]19[illegible]80[illegible]1872[illegible]1876[illegible]1878[illegible]1880[illegible]1881[illegible]1885[illegible]“[illegible]”[illegible]1890[illegible]

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1913[illegible]200[illegible]1907[illegible]“[illegible]——[illegible]”[11][illegible]1888[illegible]1913[illegible]——[illegible][12][illegible]——[illegible]

[illegible]50[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]·[illegible]Joseph Henry Longford[illegible]“[illegible]”[illegible]“[illegible]”[illegible][13][illegible]“[illegible]”[illegible][14]

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[illegible]Hermann Ende[illegible][18][illegible]——[illegible]——[illegible]

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[illegible]1872[illegible]2[illegible]3 000[illegible]6[illegible][19][illegible]1888[illegible]——[illegible]315[illegible]——[illegible]20[illegible][20][illegible]19[illegible]90[illegible]1900[illegible]4. 6[illegible][21][illegible]10[illegible]100[illegible]



1913[illegible]

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[illegible]1912[illegible]

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20[illegible]*The Ideals of the East* [illegible]“[illegible]” [31] [illegible]1902[illegible]·[illegible] [32] [illegible]“[illegible]”[illegible]“[illegible]‘[illegible]’[illegible]‘[illegible]’[illegible]”[illegible]“[illegible]”——[illegible]——[illegible]

[illegible]“[illegible]‘[illegible]’[illegible]”[illegible]*African Times and Orient Review* [illegible]“[illegible]‘[illegible]’[illegible]”

[33] [illegible]“[illegible]”——[illegible]“[illegible]”[illegible]——[illegible] [34]

1913[illegible]4[illegible]“[illegible]”[illegible]——[illegible]——[illegible]“[illegible]”[illegible] [35] [illegible]“[illegible]”[illegible]——[illegible]

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1.[illegible]2.[illegible]3.[illegible]4.[illegible]
5.[illegible] [39]

[illegible]“[illegible]”[illegible] [40] [illegible]

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[illegible]458[illegible]Aeschylus[illegible]*Eumenides*[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”

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[illegible]380[illegible]*The Republic*[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[illegible]preformation[illegible]

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[illegible]1694[illegible]·[illegible]Nicolaas Hartsoeker[illegible]1699[illegible]17[illegible]17[illegible]“[illegible]”[illegible]·[illegible]Jan Swammerdam[illegible]1669[illegible]“[illegible]”

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[illegible]（*Accidentally on Purpose*）

1831[illegible]·[illegible]（Charles Darwin）[illegible]“[illegible]”（HMS Beagle）[illegible]“[illegible]”[illegible]22[illegible]“[illegible]”[illegible]·[illegible]（John Henslow）[illegible]

[illegible]1802[illegible]（*Natural Theology*）[illegible]·[illegible]（William Paley）[illegible]

[illegible]“[illegible]”[illegible]

[illegible]1830[illegible]*A Preliminary Discourse on the Study of Natural Philosophy*[illegible]·[illegible]Sir John Herschel[illegible]

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1831[illegible]12[illegible]27[illegible]“[illegible]”[illegible]73[illegible]Tenerife[illegible]1[illegible]“[illegible]”[illegible]Cape Verde[illegible]Milton[illegible]*Paradise Lost* [illegible]·[illegible]Charles Lyell[illegible]1830[illegible]1833[illegible]*Principles of Geology* [illegible]

[illegible]1832[illegible]2[illegible]“[illegible]”[illegible]

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5 · John Gould

[illegible]·[illegible]Richard Owen[illegible]
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[illegible]1796[illegible]—[illegible]·[illegible]Pierre-Simon Laplace[illegible]“[illegible]”[illegible]

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1837[illegible]7[illegible]B[illegible]“[illegible]”[illegible]

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1839[illegible]“[illegible]”[illegible]1844[illegible]255[illegible]

1855[illegible]15[illegible]·[illegible]·[illegible]Alfred Russel Wallace[illegible]*Annals and Magazine of Natural History*[illegible]“[illegible]”[illegible]

1854[illegible]1857[illegible]“[illegible]……[illegible]……[illegible]”[illegible]

1858[illegible]6[illegible]1858[illegible]7[illegible]1[illegible]5[illegible]

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[illegible]1859[illegible]·[illegible]John Murray[illegible]“[illegible]”1859[illegible]11[illegible]24[illegible]·[illegible]*On the Origin of Species by Means of Natural Selection*[illegible]15[illegible]1 250[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[1] [illegible]gentleman scientist[illegible]——[illegible]

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[illegible]Alexander Wilford Hall[illegible]1880[illegible]

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[illegible]“[illegible]”[illegible]1867[illegible]10[illegible]*The Variation of Animals and Plants Under Domestication*[illegible]“[illegible]

[illegible]”[illegible]·[illegible]Asa Gray[illegible]“[illegible]”

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[illegible]“[illegible]”[illegible]“[illegible]”[illegible]*North British Review*[illegible]

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1856[illegible]·[illegible]1850[illegible]1853[illegible]

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1883[illegible]·[illegible]*Inquiries into Human Faculty and Its Development*[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[illegible]*Hereditary Genius*[illegible]“[illegible]”[illegible]

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1897

· Sir Everett Millais 1896 *Basset Hound Club Rules*

1901 1905 ·

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· Walter Weldon

· Arthur Darbishire · Karl Pearson “ ”

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1904[illegible][2][illegible]·[illegible]George Bernard Shaw[illegible]·[illegible]·[illegible]·[illegible]—[illegible]Alice Drysdale-Vickery[illegible]Lady Welby[illegible]·[illegible]

Benjamin Kidd Henry Maudsley

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Herbert Spencer

1895 *The Time Machine*

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1860[illegible]·[illegible]George Eliot[illegible]*The Mill on the Floss*[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]Thomas Hobbes[illegible]“[illegible]”[illegible]“[illegible]”[illegible]kakogenics[illegible]“[illegible]”[illegible]

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1912[illegible]7[illegible]24[illegible]Cecil Hotel[illegible]800[illegible]12[illegible]·[illegible]Winston Churchill[illegible]Lord Balfour[illegible]·[illegible]·[illegible]Alexander Graham Bell[illegible]·[illegible]Charles Eliot[illegible]·[illegible]William Osler[illegible]·[illegible]·[illegible]Leonard Darwin[illegible]·[illegible]

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1912[illegible]“[illegible]”

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[2] [illegible]Bloomsbury[illegible]20[illegible]——[illegible]

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——[illegible]·[illegible]（Theodosius Dobzhansky）[illegible]《*Heredity and the Nature of Man*》

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1920[illegible]·[illegible]·[illegible]（Emmett Adaline Buck）[illegible]·[illegible]（Frank Buck）[illegible]·[illegible]（Carrie Buck）[illegible]

[illegible]3[illegible]1920[illegible]4[illegible]1[illegible]“[illegible]”[illegible]

[illegible]1924[illegible]“[illegible]”[illegible]“[illegible]35[illegible]”[illegible]

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1924[illegible]3[illegible]28[illegible]·[illegible]Vivian Elaine[illegible]1924[illegible]6[illegible]4[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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1925[illegible]11[illegible]17[illegible]·[illegible]“[illegible]……[illegible]”[illegible]“[illegible]”[illegible]8[illegible]

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[illegible]“[illegible]”[illegible]“[illegible]”[illegible]20[illegible]·[illegible]·[illegible]Edgar Rice Burroughs[illegible]*Tarzan of the Apes*[illegible]19[illegible]—[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]1927[illegible]5[illegible]2[illegible]·[illegible]21[illegible]8[illegible]1[illegible]·[illegible]·[illegible]Oliver Wendell Holmes Jr.[illegible]“[illegible]”

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1927[illegible]10[illegible]19[illegible]·[illegible]9[illegible]10[illegible]·[illegible]

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[illegible]·[illegible]Harry Haiselden[illegible]1927[illegible]“[illegible]”[illegible]*Are You Fit to Marry?*[illegible]*The Black Stork*[illegible]“[illegible]”[illegible]20[illegible]20[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]1936[illegible]“[illegible]”[illegible]10[illegible]“[illegible]”[illegible]

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[illegible]*On the Road Home*[illegible]

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——[illegible]·[illegible]Thomas Hardy[illegible]

[illegible]*Heredity*[illegible]

[illegible]Sealdah[illegible]1946[illegible]5[illegible]4[illegible]Barisal[illegible]·[illegible]Prafulla Chandra[illegible]

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“[illegible]”[illegible]·[illegible]Bibhuti Mukhopadhyay[illegible]

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[illegible]19[illegible]90[illegible]·[illegible]Theodor Boveri[illegible]·[illegible]·[illegible]—[illegible]Wilhelm von Waldeyer-Hartz[illegible]

[illegible]·[illegible]Walter Sutton[illegible]1902[illegible]·[illegible]Nettie Stevens[illegible]1905[illegible]“[illegible]”[illegible]Y[illegible]Y[illegible]Y[illegible]DNA[illegible]X[illegible]

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1911[illegible]20[illegible]A[illegible]B[illegible]A[illegible]C[illegible]

A. B..........C.

[illegible]N[illegible]SB[illegible]N[illegible]SB[illegible]6[illegible]

[illegible]20[illegible]90[illegible]12[illegible]

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[illegible]1904[illegible]Alexei[illegible]

[illegible]·[illegible]Grigory Rasputin[illegible]

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1916[illegible]12[illegible]30[illegible]1918[illegible]7[illegible]17[illegible]14[illegible]

2007[illegible]13[illegible]B[illegible]20[illegible]

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[1] [illegible]

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——[illegible]·[illegible]·[illegible]William Butler Yeats[illegible]
[illegible]1916[illegible]*Easter, 1916*[illegible]

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[illegible]5[illegible]7[illegible]7[illegible]“[illegible]”[illegible]

1918[illegible]*The Correlation between Relatives on the Supposition ofMendelian Inheritance*[illegible]3[illegible]5[illegible]“[illegible]”[illegible]

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[illegible]*Drosophila pseudoobscura* [illegible]“[illegible]”[illegible]A[illegible]B[illegible]C[illegible]A—B—C[illegible]C—B—A[illegible]

[illegible]1943[illegible]9[illegible]“ABC”[illegible]“CBA”[illegible]1:1[illegible]4[illegible]ABC[illegible]CBA[illegible]

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[illegible]“[illegible]”[illegible]Alfred North Whitehead[illegible]

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——[illegible]·[illegible]（Trofim Lysenko）

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1928[illegible]1[illegible]“[illegible]”[illegible]*Journal of Hygiene* [illegible]20[illegible]30[illegible]

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1932[illegible]1932[illegible]·[illegible]Kaiser Wilhelm Institute[illegible]

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[1] [illegible]·[illegible]Sewall Wright[illegible]J. B. S. Haldane[illegible]

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——·Josef Mengele

605

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·Fritz Lenz“”[1]

1933··“”
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·Alfred Ploetz
18951912
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[2] 1914·Heinrich Poll“

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“ ” Beer Hall Putsch 20 20 20 30 1933 5 *Prevention of Genetically Diseased Offspring* “ ” “ ” “ ” “ ” “ ……”

Das Erbe *Erbkrank* “ ” “ ” 1935 1936 “ ” *Olympia* · Leni Riefenstahl “ ”

1933 11 “ ” 1935 10 “ ” “ ”

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[illegible]·[illegible]·[illegible]Karl Brandt[illegible]“[illegible]”[illegible]“[illegible]”[illegible]lebensunwertes Leben[illegible]

[illegible]3[illegible]“[illegible]”[illegible]1939[illegible]9[illegible]“[illegible]”[illegible]1939[illegible]10[illegible]4[illegible]No.4 Tiergartenstrasse[illegible]“T4[illegible]”[illegible]Aktion T4[illegible]

[illegible]Hadamar[illegible]Brandenburg State Welfare Institute[illegible]T4[illegible]

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[illegible]1939[illegible]·[illegible]Mary Rau[illegible]“[illegible]”[illegible]1941[illegible]T4[illegible]25[illegible]1933[illegible]1943[illegible]40[illegible]

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[illegible]·[illegible]Hannah Arendt[illegible]“[illegible]”[illegible]banality of evil[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]·[illegible]Otmar von Verschuer[illegible]·[illegible]*The Racial Biology of Jews* [illegible]1849[illegible]1907[illegible]7[illegible]“[illegible]”1936[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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1940[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]Nicolai Vavilov[illegible]1940[illegible]8[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1943[illegible]1[illegible]“[illegible]”[illegible]“[illegible]”[illegible]20[illegible]

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[illegible]·[illegible]·[illegible]（Hermann Werner Siemens）[illegible]1924[illegible][3]

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[illegible]1933[illegible]4[illegible]1933[illegible]·[illegible]Ernest Chain[illegible]·[illegible]Wilhelm Feldberg[illegible]·[illegible]Max Perutz[illegible]1937[illegible]·[illegible]Erwin Schrödinger[illegible]·[illegible]·[illegible]“[illegible]”[illegible]·[illegible]1945[illegible]“[illegible]”[illegible]

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[1] [illegible]·[illegible]Rudolf Hess[illegible]

[2] [illegible]20[illegible]30[illegible]

[3] 20[illegible]20[illegible]·[illegible]Curtis Merriman[illegible]·[illegible]Walter Jablonski[illegible]

[4] [illegible]Mengele:The Complete Story[illegible]·[illegible]Gerald L. Posner[illegible]·[illegible]John Ware[illegible]

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——[illegible]·[illegible]（Robert Heinlein）

1933[illegible]·[illegible]（Oswald Avery）55[illegible]·[illegible]

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1869 4

· Friedrich Miescher

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· Phoebus Levene

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[illegible]·[illegible]DNA[illegible]20[illegible]30[illegible]20[illegible]·[illegible]（Ernest Rutherford）[illegible]1895[illegible]1919[illegible]α[illegible]

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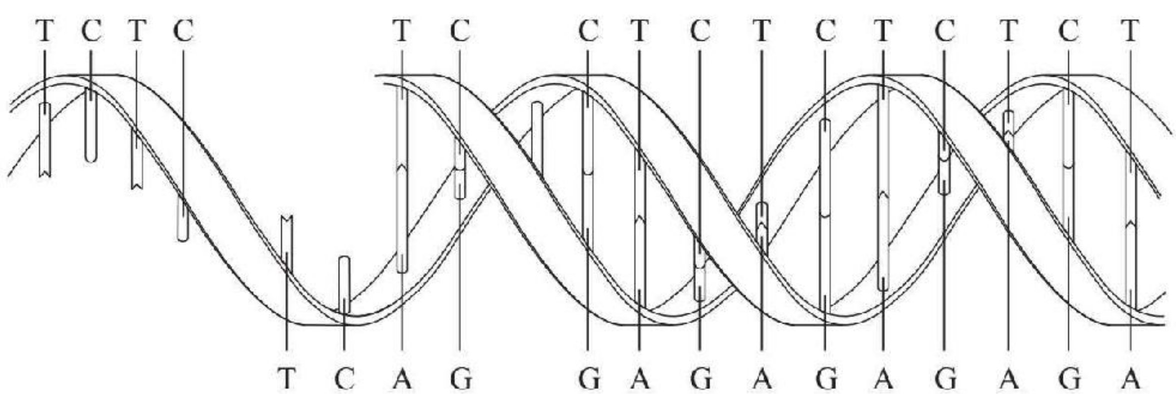
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[1] [illegible]1952[illegible]1953[illegible]·[illegible]Alfred Hershey[illegible]·[illegible]Martha Chase[illegible]DNA[illegible]

[2] [illegible]

[3] 1951[illegible]·[illegible]·[illegible]Doris Lessing[illegible]“[illegible]”[illegible]“[illegible]”

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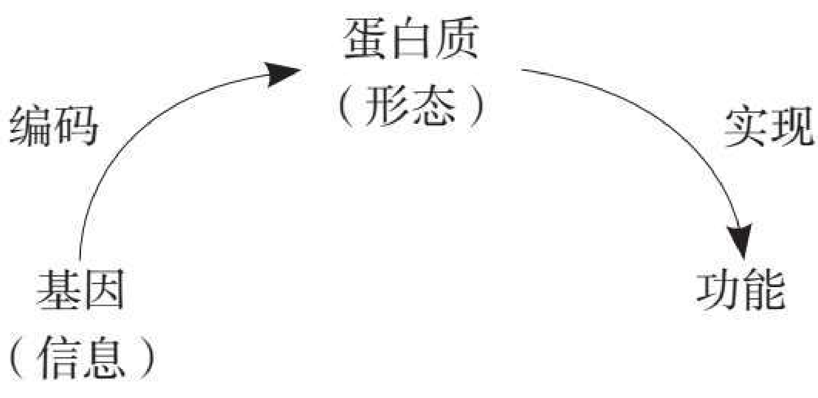
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1954[illegible]·[illegible]George Gamow[illegible]“[illegible]”[illegible]·[illegible]“[illegible]getting[illegible]geting[illegible]opinion[illegible]opinnion[illegible]”

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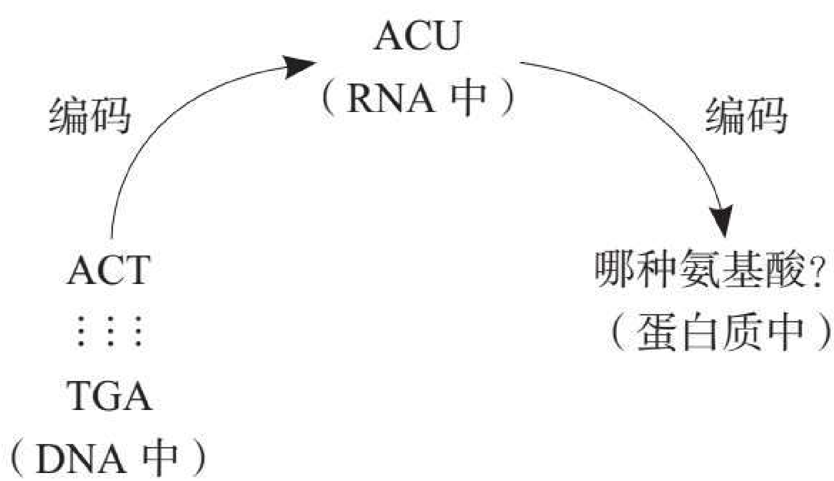
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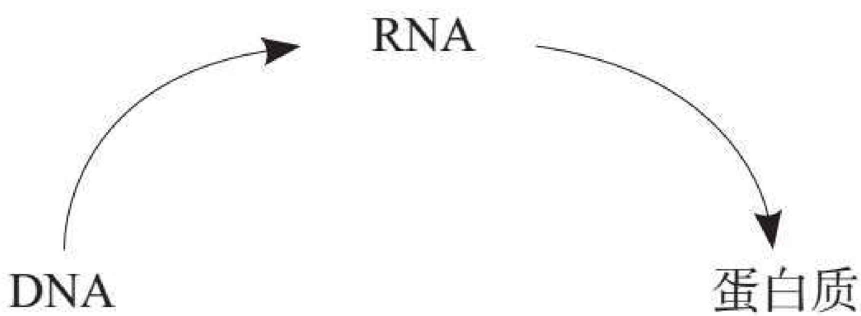


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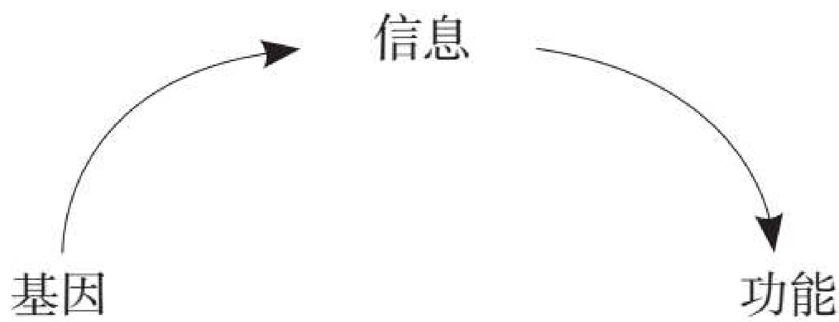
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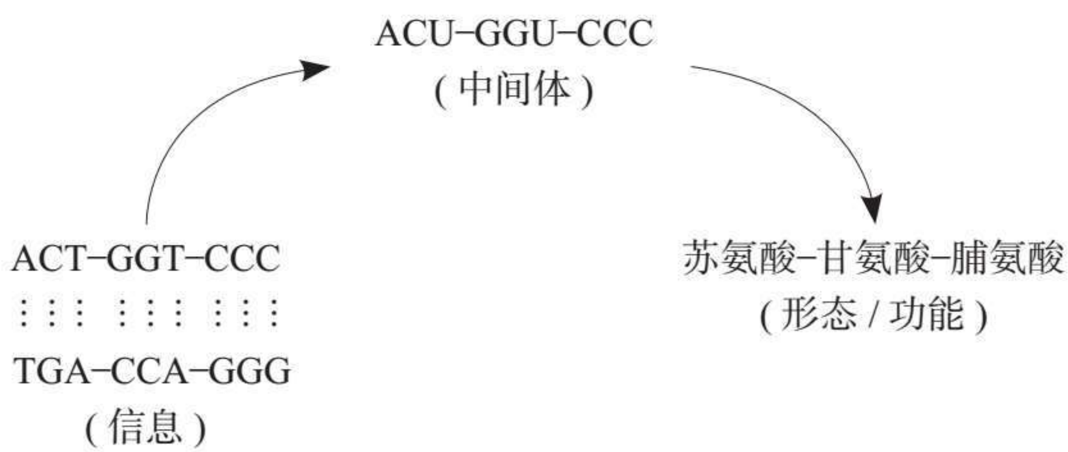
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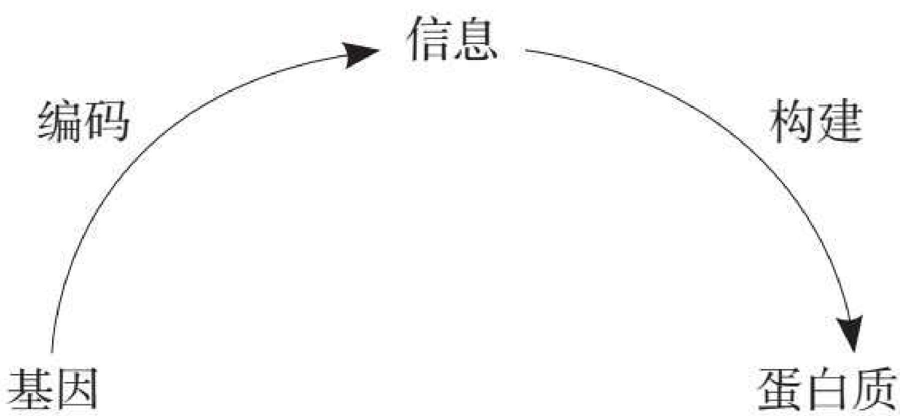
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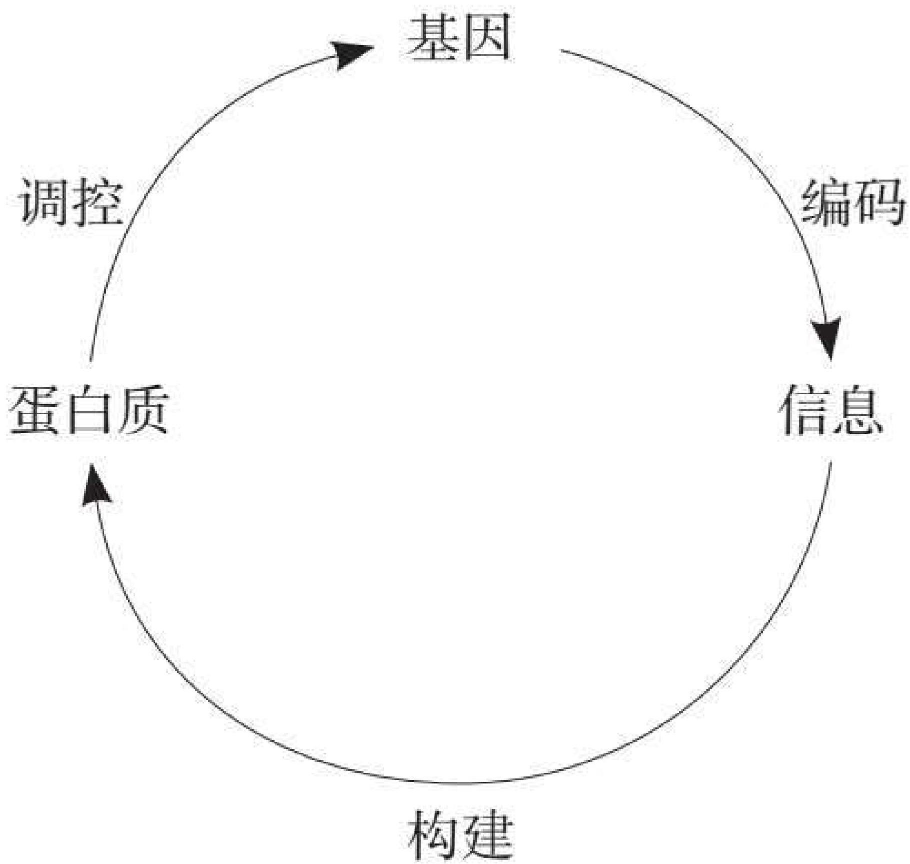
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[illegible]“[illegible]”[illegible]·[illegible]Gordon Tomkins[illegible]“[illegible]——[illegible]”

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1968[illegible]·[illegible]Paul Berg[illegible]La Jolla[illegible]11[illegible]41[illegible]“[illegible]”[illegible]Pollock[illegible]Diebenkorn[illegible]Newman[illegible]Frankenthaler[illegible]

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[illegible]40[illegible]SV40[illegible]“[illegible]”[illegible]·[illegible]Peter Medawar[illegible]“[illegible]”[illegible]

[illegible]SV40[illegible]DNA[illegible]DNA[illegible]7[illegible]21 000[illegible]SV40[illegible]SV40[illegible]DNA[illegible]

[illegible]SV40[illegible]SV40[illegible]SV40[illegible]“[illegible]”[illegible]

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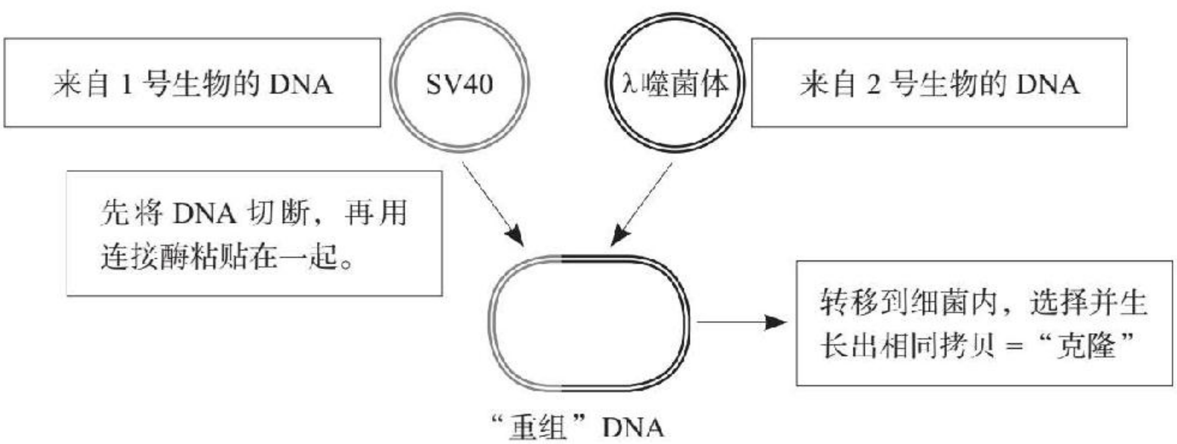
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[illegible]DNA[illegible]DNA[illegible]

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[illegible]DNA[illegible]·[illegible]Herbert Boyer[illegible]EcoR1[illegible]DNA[illegible]DNA[illegible] [3] [illegible]“[illegible]DNA[illegible]……[illegible]DNA[illegible]DNA[illegible]”[illegible]“[illegible]DNA”[illegible]

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1966[illegible]UCSF[illegible]DNA[illegible]DNA[illegible]DNA[illegible]EcoR1[illegible]DNA[illegible]

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1955[illegible]1962[illegible]DNA[illegible]“[illegible]”[illegible]1962[illegible]MRC[illegible]·[illegible]DNA[illegible]

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1970[illegible]1980[illegible]1969[illegible]1979[illegible]

1980[illegible]12[illegible]·[illegible]·[illegible]·[illegible]DNA[illegible]“[illegible]”[illegible]·[illegible]“[illegible]DNA[illegible]……[illegible]……[illegible]”

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1970[illegible]·[illegible]·[illegible]RNA[illegible]DNA[illegible]RNA[illegible]DNA[illegible]“[illegible]”[illegible]

[illegible]RNA[illegible]“[illegible]”[illegible]“[illegible]”[illegible][3][illegible]T[illegible]T[illegible]T[illegible]RNA[illegible]1984[illegible]T[illegible]

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Julius Caesar [illegible]

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1972[illegible]·[illegible]DNA[illegible]2 000[illegible]

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1973[illegible]1[illegible]Asilomar[illegible]80[illegible]“[illegible]”[illegible]Asilomar I[illegible]SV40[illegible]“[illegible]”[illegible]·[illegible]Marianne Dieckmann[illegible]

[illegible]*Biohazards in Biological Reserch* [illegible]“[illegible]”

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1974[illegible]“[illegible]”[illegible]DNA[illegible]“[illegible]”[illegible]·[illegible]DNA[illegible]1974[illegible]DNA[illegible]

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[illegible]·[illegible]Alan Waterman[illegible]1962[illegible]“[illegible]……[illegible]”

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1976[illegible]1[illegible]DNA[illegible]

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materials□□□□□compositions of matter□□□□□□□□□□□“4M□□”□□□□□□□□□□□□□□□□□□□□□□□□“□□”□□“□□□”□□

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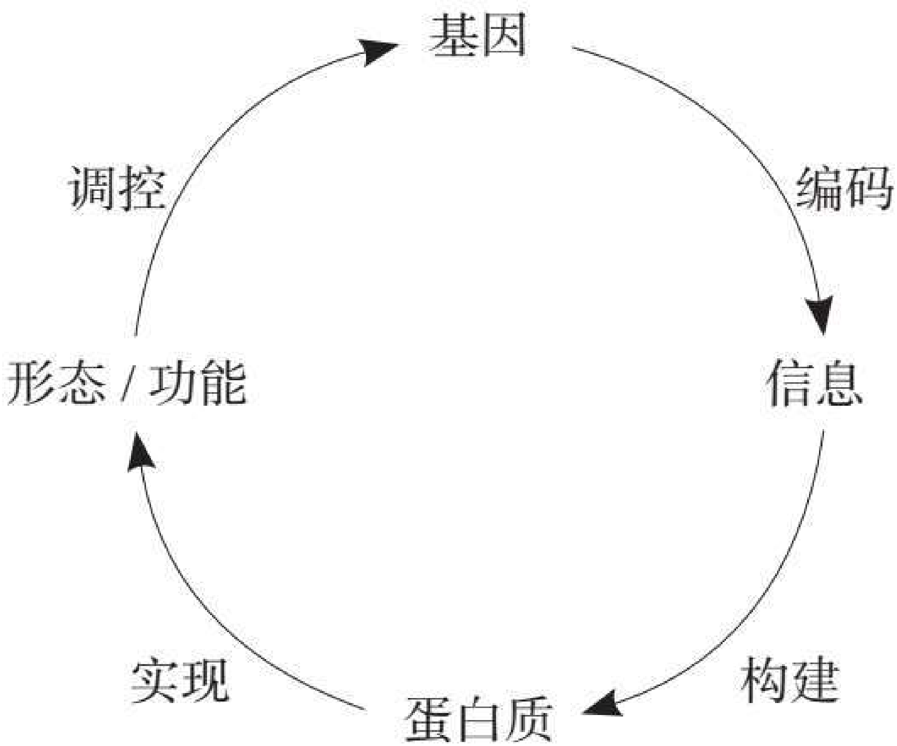
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1966[illegible]·[illegible]Mark Steele[illegible]·[illegible]Roy Breg[illegible]1956[illegible]XX[illegible]XY[illegible]19[illegible]90[illegible]

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1978[illegible]·[illegible]（David Botstein）[illegible]·[illegible]（Ron Davis）[illegible]·[illegible]（Kerry Kravitz）[illegible]·[illegible]（Mark Skolnick）[illegible]（hemochromatosis）[illegible]

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1985[illegible]·Q.[illegible]James Q. Wilson[illegible]·[illegible]Richard Herrnstein[illegible]*Crime and Human Nature:The Definitive Study of the Causes of Crime*[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”

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·[illegible]98%[illegible]DNA[illegible]DNA[illegible]DNA[illegible]RNA[illegible]“[illegible]DNA”[illegible]

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·[illegible]DNA[illegible]Alu[illegible]300[illegible]

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——□□□·□□□□Lewis Carroll□□

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——[illegible]·[illegible]Franz Kafka[illegible]

[illegible]·[illegible]Everett Hughes[illegible]“[illegible]”[illegible]

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BRCA1 [illegible]*BRCA1* [illegible]DNA [illegible]*BRCA1* [illegible]“[illegible]”[illegible]DNA[illegible]*BRCA1* [illegible]*m* ——*BRCA1* [illegible]*BRCA1* [illegible]DNA[illegible]*BRCA1* [illegible]

[illegible]·[illegible]Matt Ridley[illegible]*CF* [illegible]“[illegible]”

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[illegible]1988[illegible]NRC[illegible]“DNA[illegible]”

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[illegible]19[illegible]1854[illegible]·[illegible]Louis Agassiz[illegible]

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1859[illegible]

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[illegible]“[illegible]”[illegible]1848[illegible]Neander Valley[illegible]Neanderthal[illegible]

[illegible]1922[illegible]*Popular Science Monthly*[illegible]“[illegible]”[illegible]20[illegible]70[illegible]80[illegible]“[illegible]”[illegible]4.5[illegible]4[illegible]5 000[illegible]

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1985[illegible]1995[illegible]1991[illegible]20[illegible]

[illegible]1991[illegible]

2008[illegible]11[illegible]·[illegible]—[illegible]Luigi Cavalli-Sforza[illegible]·[illegible]Marcus Feldman[illegible]·[illegible]Richard Myers[illegible]51[illegible]938[illegible]642 690[illegible]10[illegible]20[illegible]“[illegible]10[illegible]”

[illegible]San tribes[illegible]Ituri[illegible]Mbuti Pygmies[illegible]“[illegible]”[illegible]1.5[illegible]3[illegible]Seward[illegible]“[illegible]”[illegible]The Out of Africa Theory[illegible]“[illegible]”[illegible]The Recent Out of Africa Model[illegible]“[illegible]”[illegible]

[illegible]ROAM[illegible]

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[illegible]DNA[illegible]

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[illegible]200[illegible]200[illegible]100[illegible]

[illegible]20[illegible]

[illegible]（Mitochondrial Eve）[illegible]

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1994[illegible]

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[illegible]600[illegible]

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[illegible]·[illegible]Wallace Sayre[illegible]

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[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]85%[illegible]90%[illegible]7%[illegible]1972[illegible]·[illegible]Richard Lewontin[illegible]—[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]X[illegible]Y[illegible]A[illegible]B[illegible]DNA[illegible]

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[illegible]19[illegible]20[illegible]19[illegible]*The Help*[illegible]Aibee[illegible]·[illegible]Mae Mobley[illegible]“[illegible]”

1994[illegible]·[illegible]—[illegible]*The Bell Curve*[illegible]·[illegible]·[illegible]Charles Murray[illegible]“[illegible]”[illegible]

[illegible]1985[illegible]10[illegible]IQ[illegible]“[illegible]”[illegible]

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[illegible]20[illegible]*g*[illegible]·[illegible]1916[illegible]“[illegible]”[illegible]100[illegible]100[illegible]100[illegible]

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[illegible]*g*[illegible]

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20[illegible]60[illegible]70[illegible]·[illegible]50[illegible]·[illegible]80[illegible]“[illegible]”[illegible]*g* [illegible]·[illegible]Arthur Jensen[illegible]*g* [illegible]

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g [illegible]20[illegible]50[illegible]*g* [illegible]20[illegible]50[illegible]0.86[illegible] [3] 20[illegible]80[illegible]0.74[illegible]

[illegible]*g* [illegible]IQ[illegible]IQ[illegible]0.42[illegible]0.22[illegible]IQ[illegible]IQ[illegible]IQ[illegible]

[illegible]*g* [illegible]

[illegible]IQ[illegible]IQ[illegible]156[illegible]IQ[illegible]IQ[illegible]100[illegible]100[illegible]IQ[illegible]85[illegible]15[illegible]1960[illegible]15[illegible]

[illegible]IQ[illegible]IQ[illegible]IQ[illegible]IQ[illegible]20[illegible]90[illegible]·[illegible]Eric Turkheimer[illegible]IQ[illegible]IQ[illegible]IQ[illegible]

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[illegible]·[illegible]·[illegible]Stephen Jay Gould[illegible]·[illegible]Orlando Patterson[illegible]“[illegible]”[illegible]*For Whom the Bell Curves*[illegible]·[illegible]Claude Steele[illegible]IQ[illegible]“[illegible]”[illegible]IQ[illegible]IQ[illegible]

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1976[illegible]·[illegible]Sandra Scarr[illegible]·[illegible]Richard Weinberg[illegible]106[illegible]“[illegible]”[illegible]

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[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]Alison Gopnik[illegible]“[illegible]”

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[1] [illegible]·[illegible]·[illegible]Émile Zuckerkandl[illegible]“[illegible]”[illegible]

[2] [illegible]

[3] [illegible]0.6[illegible]0.7[illegible]·[illegible]Leon Kamin[illegible]20[illegible]50[illegible]

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[illegible]“[illegible]”[illegible]

——[illegible]·[illegible]（Paul Brodwin）[illegible]
[illegible]
《*Genetics, Identity, and the Anthropology of Essentialism*》

[illegible]

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[illegible]《*The Comedy of Errors*》[illegible]

1942[illegible]10[illegible]6[illegible]5[illegible]（Bulu）[illegible]（Tulu）[illegible]20[illegible]40[illegible]7[illegible]

[illegible]“[illegible]”[illegible]

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[illegible]1965[illegible]3[illegible]1966[illegible]1967[illegible]

[illegible]1970[illegible]20[illegible]60[illegible]

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[illegible]Lady Gaga[illegible]“[illegible]”[illegible]

[illegible]sex[illegible]gender[illegible]gender identity[illegible]

[illegible]“[illegible]”[illegible]200[illegible]Galen[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[illegible]Anaxagoras[illegible]400[illegible]“[illegible]”[illegible]“[illegible]—[illegible]”[illegible]

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[illegible]1900[illegible]“[illegible]”[illegible]·[illegible]1903[illegible]“[illegible]”[illegible]

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[illegible]·[illegible]Edmund Wilson[illegible]
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20[illegible]80[illegible]·[illegible]Peter Goodfellow[illegible]Y[illegible]“[illegible]”[illegible]Y[illegible]“[illegible]”[illegible]

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[illegible]1955[illegible]·[illegible]Gerald Swyer[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]XY[illegible]“[illegible]”[illegible]XY[illegible]“[illegible]”[illegible]

[illegible]·[illegible]David Page[illegible]Y[illegible]1989[illegible]Y[illegible]*ZFY*[illegible]

[illegible]*ZFY*[illegible]Y[illegible]DNA[illegible]*ZFY*[illegible]

[illegible]*ZFY*[illegible]1989[illegible]*ZFY*[illegible]*SRY*[illegible]*SRY*[illegible]Y[illegible]*SRY*[illegible]*SRY*[illegible]

[illegible]*SRY*[illegible]

[illegible]*SRY*[illegible]“[illegible]”[illegible]·[illegible]—[illegible]Robin Lovell-Badge[illegible]*SRY*[illegible]XX[illegible]

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[illegible]Y[illegible]Y[illegible]“[illegible]……[illegible]‘[illegible]’[illegible]”

[illegible]“[illegible]”[illegible]*SRY*[illegible] [2]

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[illegible]·[illegible]David Reimer[illegible]Winnipeg[illegible]2004[illegible]5[illegible]5[illegible]38[illegible]1965[illegible]·[illegible]Bruce Reimer[illegible]·[illegible]·[illegible]John Money[illegible]

[illegible]“[illegible]”[illegible]Brenda[illegible]

[illegible]·[illegible]20[illegible]60[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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C[illegible]·[illegible]C[illegible]48[illegible]C[illegible]C[illegible]

2005[illegible]“[illegible]”[illegible]XY[illegible]“[illegible]”[illegible]·[illegible]C[illegible]“[illegible]”[illegible]

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[illegible]·[illegible]Otto Weininger[illegible]“[illegible]……[illegible]……[illegible]”

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[2] [illegible]intersexuality[illegible]SRY[illegible]

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——[illegible]·[illegible]（William Wright）[illegible]

[illegible]Born That Way[illegible]

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[illegible]·[illegible]（Irving Bieber）[illegible]1962[illegible]1973[illegible]“[illegible]”[illegible]20[illegible]80[illegible]1992[illegible]·[illegible]（Dan Quayle）[illegible]“[illegible]……[illegible]”

1993[illegible]7[illegible]10[illegible]·[illegible]（Carol Sarler）[illegible]“[illegible]”

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1991[illegible]10[illegible]“[illegible]10[illegible]”

[illegible]1871[illegible]*Descent of Man*[illegible]

[illegible]“[illegible]”[illegible]

[illegible]1984[illegible]·[illegible]Richard Lewontin[illegible]*Not in Our Genes:Biology, Ideology and Human Nature*[illegible]“[illegible]……[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“[illegible]

[illegible]”[illegible]1966[illegible]14[illegible]“[illegible]”[illegible]“[illegible]”[illegible]654[illegible]

[illegible]20[illegible]80[illegible]J. [illegible]·[illegible]J. MichaelBailey[illegible]110[illegible]1978[illegible]

[illegible]56[illegible]52%[illegible][1][illegible]54[illegible]22%[illegible]10%[illegible]1971[illegible]

[illegible]48%[illegible]“[illegible]”[illegible]1[illegible]30%[illegible]55%[illegible]

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1991[illegible]10[illegible]20[illegible]80[illegible]10[illegible]

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1991[illegible]#92—C—0078[illegible]1992[illegible]114[illegible]45[illegible]

[illegible]1992[illegible]1 000[illegible]114[illegible]6[illegible]20%[illegible]10%[illegible]

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[illegible] Xq28 [illegible] Xq28 [illegible] “[illegible]” [illegible] Xq28 [illegible] Xq28 [illegible] “[illegible]

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1993[illegible]
1995[illegible]1999[illegible]
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456[illegible]
[illegible]Xq28[illegible]Xq28[illegible]7[illegible]8[illegible]10[illegible]
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[illegible]1971[illegible]·[illegible]
[illegible]Macfarlane Burnet[illegible]*Genes, Dreams and Realities*[illegible]“[illegible]”[illegible]
[illegible]70[illegible]“[illegible]”[illegible]“[illegible]”[illegible]
[illegible]·[illegible]Nancy Segal[illegible]“[illegible]

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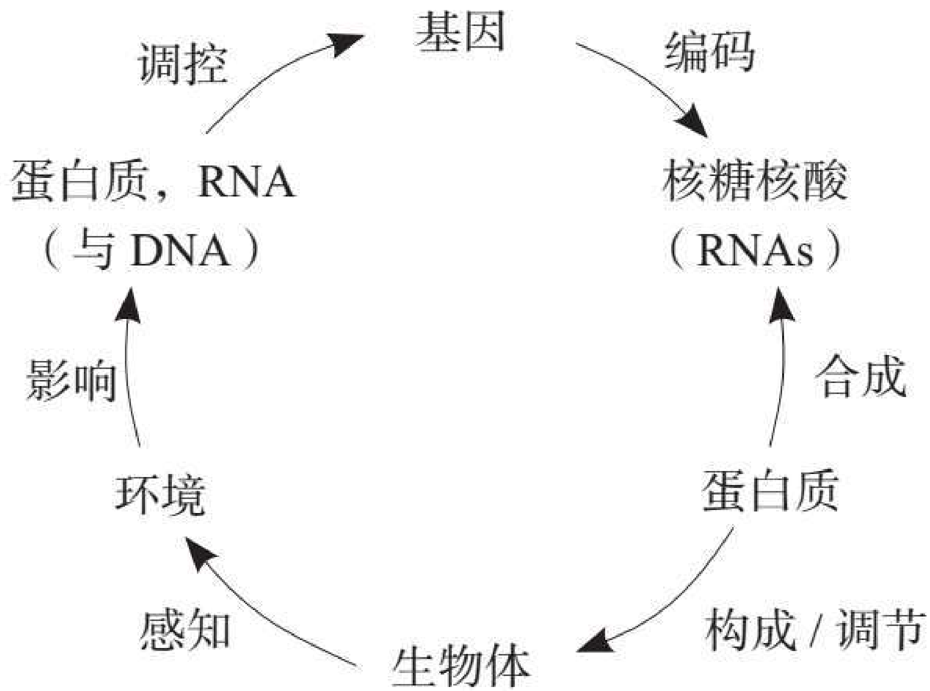
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[illegible]1999[illegible]6[illegible]OTC[illegible]·[illegible]·[illegible]OTC[illegible]“[illegible]”[illegible]Spectrum Arena[illegible]·[illegible]Rocky Balboa[illegible]

1999[illegible]9[illegible]9[illegible]OTC[illegible]

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1999[illegible]9[illegible]13[illegible]70 μmol/L[illegible]17[illegible]9[illegible]11[illegible]30[illegible]OTC[illegible]

[illegible]40[illegible]“[illegible]”[illegible]

[illegible]OTC[illegible]393 μmol/L[illegible]10[illegible]·[illegible]·[illegible]·[illegible]

[illegible]8[illegible]·[illegible]

[illegible]·[illegible]1.5[illegible]

9[illegible]17[illegible]·[illegible]2[illegible]30[illegible]

“[illegible]”2014[illegible]·[illegible]

[illegible]

[illegible]“[illegible]”[illegible]“[illegible]
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[illegible]1999[illegible]10[illegible]OTC[illegible]10[illegible]11[illegible]·[illegible]12[illegible]RAC[illegible]FDA[illegible]

[illegible]·[illegible]“[illegible]”[illegible]OTC[illegible]

[illegible]OTC[illegible]·[illegible]17[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]OTC[illegible]2000[illegible]1[illegible]FDA[illegible]28[illegible]FDA[illegible]“[illegible]”[illegible]“FDA[illegible]5[illegible]

[illegible]1999[illegible]9[illegible]2000[illegible]”[illegible]·[illegible]Ruth Macklin[illegible]“[illegible]”

[illegible]OTC[illegible]OTC[illegible]

[illegible]“[illegible]”[illegible]10[illegible]

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[1] [illegible]·[illegible]Kenneth Culver[illegible]

[2] 1980[illegible]·[illegible]Martin Cline[illegible]β—[illegible]DNA[illegible]

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[illegible]“[illegible]”

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——[illegible]·[illegible]·[illegible]
[illegible]*Byzantium*[illegible]

[illegible]DNA[illegible]DNA[illegible]DNA[illegible]

——[illegible]·[illegible]（George Church）

[illegible]20[illegible]90[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]10[illegible]“[illegible]”[illegible]·[illegible]（Eric Topol）[illegible]“[illegible]‘[illegible]’[illegible]”

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[illegible]“[illegible]”[illegible]*BRCA1*[illegible]20[illegible]70[illegible]—[illegible]·[illegible]（Mary-Claire King）[illegible]·[illegible]90%[illegible]

[illegible]

1978[illegible]“[illegible]”[illegible]1978[illegible]1988[illegible]150[illegible]30[illegible]

[illegible]10[illegible]“[illegible]”[illegible]

[illegible]17[illegible]1988[illegible]17[illegible]17q21[illegible]“[illegible]”[illegible]“[illegible]……[illegible]”[illegible]*BRCA1*[illegible]

[illegible]*BRCA1*[illegible]20[illegible]90[illegible]*BRCA1*[illegible]1994[illegible]Myriad Genetics[illegible]*BRCA1*[illegible]1998[illegible]*BRCA1*[illegible]

[illegible]*BRCA1*[illegible]1996[illegible]*BRCA1*[illegible]PCR[illegible]*BRCA1*[illegible]“[illegible]”“[illegible]”[illegible]“[illegible]”[illegible]

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2008[illegible]·[illegible]Jane Sterling[illegible]37[illegible]—[illegible]·[illegible]45[illegible]60[illegible]*BRCA1*[illegible]10[illegible]

[illegible]*BRCA1*[illegible]*BRCA1*[illegible]80%[illegible]*BRCA1*[illegible]30[illegible]50[illegible]75[illegible]

[illegible]“[illegible]*BRCA1*[illegible]”[illegible]*BRCA1*[illegible]

[illegible]*BRCA1*[illegible]“[illegible]”[illegible]X[illegible]

[illegible]*BRCA1*[illegible]DNA[illegible]DNA[illegible]DNA[illegible]*BRCA1*[illegible]*BRCA1*[illegible]*BRCA1*[illegible]DNA[illegible]*BRCA1*[illegible]X[illegible]DNA[illegible]*BRCA1*[illegible]DNA[illegible]*BRCA1*[illegible]*BRCA1*[illegible]

[illegible]*BRCA1*[illegible]*BRCA1*[illegible]

[illegible]（orwellian ring[illegible]（previvor[illegible]

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[illegible]1908[illegible]·[illegible]（Eugen Bleuler[illegible]“[illegible]”[illegible]（dementia praecox[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”（schizo-phrenia[illegible]

[illegible]

[illegible]20[illegible]70[illegible]30%[illegible]50%[illegible]10%[illegible]20%[illegible]80%[illegible]

[illegible]20[illegible]70[illegible]“[illegible]”[illegible]1974[illegible]·[illegible]（Silvano Arieti[illegible]“[illegible]”[illegible]

[illegible]20[illegible]80[illegible]

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[illegible]20[illegible]90[illegible]DNA[illegible]DNA[illegible]DNA[illegible]“[illegible]”[illegible]

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[illegible]2013[illegible]623[illegible][1]

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“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]*Touched with Fire*[illegible]·[illegible]·[illegible]Kay Redfield Jamison[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]van Gogh[illegible]·[illegible]Virginia Woolf[illegible]·[illegible]Sylvia Plath[illegible]·[illegible]Anne Sexton[illegible]·[illegible]Robert Lowell[illegible]·[illegible]Jack Kerouac[illegible]·[illegible]·[illegible]·[illegible]

[illegible]·[illegible]Hans Asperger[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Satie[illegible]*Gymnopédies* [illegible]7[illegible]18[illegible]

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[illegible]·[illegible]Edvard Munch[illegible]“[illegible]”[illegible]“[illegible]”[illegible]20[illegible]

[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]

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2013[illegible]Scripps Institute[illegible]“[illegible]”[illegible]

[illegible]·[illegible]David Goldstein[illegible]“[illegible]”[illegible]·[illegible]Stephen Quake[illegible]“[illegible]”[illegible]DNA[illegible]

[illegible]15[illegible]1[illegible]4[illegible]

[illegible]2011[illegible]6[illegible]·[illegible]Alexis Beery[illegible]·[illegible]Noah Beery[illegible]5—[illegible]5—HT[illegible]

[illegible]2012[illegible]2012[illegible]*ADCY5*[illegible]*DOCK3*[illegible]

[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]2012[illegible]18[illegible]

[illegible]·[illegible]“[illegible]”[illegible]

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[illegible]·[illegible]“[illegible]”

[illegible]

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[illegible]·[illegible]*BRCA1* [illegible]70%[illegible]80%[illegible]100%[illegible]

[illegible]

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[illegible]2015[illegible]15[illegible]“[illegible]”[illegible]B2[illegible]

[illegible]“[illegible]”[illegible][6][illegible]*GATTACA*[illegible]Jerome[illegible]“[illegible]”[illegible]

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[illegible]

[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]*MECP2*[illegible]DNA[illegible]

[illegible]—[illegible]

[illegible]“[illegible]”[illegible]—[illegible][7][illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]2020[illegible]“[illegible]”[illegible]

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1990[illegible]4[illegible]

[illegible]IVF[illegible]in vitro fertilization[illegible]8[illegible]16[illegible]salamander[illegible]

[illegible]PGD[illegible]Preimplantation Genetic Diagnosis[illegible]PGD[illegible]“[illegible]”[illegible]PGD[illegible]

1989[illegible]PGD[illegible]X—[illegible]X-linked mental retardation[illegible]X—[illegible]X-linked immunological syndrome[illegible]

PGD[illegible]PGD[illegible]1995[illegible]PGD[illegible]“[illegible]”[illegible]PGD[illegible]

[illegible]“[illegible]”[illegible]20[illegible]30[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]PGD[illegible]—[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]*BRCA1* [illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]·[illegible]Desmond King[illegible]“[illegible]‘[illegible]’[illegible]——[illegible]‘[illegible]’[illegible]”

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[illegible]—[illegible]“[illegible]”[illegible]*BRCA1* [illegible]

[illegible]12%[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]

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[illegible]20[illegible]90[illegible]*5HTTLPR*[illegible]*5HTTLPR*[illegible]40%[illegible]*5HTTLPR*[illegible]*5HTTLPR/short*[illegible]*5HTTLPR/short*[illegible]*5HTTLPR/short*[illegible]PTSD[illegible]

2010[illegible]“[illegible]”[illegible]SAAF, Strong African American Families[illegible]

[illegible]600[illegible]7[illegible]*5HTTLPR*[illegible]

[illegible]*5HTTLPR/short*[illegible]“[illegible]”[illegible]“[illegible]”[illegible]*5HTTLPR/short*[illegible]

[illegible]*5HTTLPR/short*[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]2014[illegible]·[illegible]Jay Belsky[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”

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[illegible]2020[illegible]

[illegible]20[illegible]“[illegible]”[illegible]

[illegible]1975[illegible]·[illegible]Michel Foucault[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[1] [illegible]

[2] [illegible]CNV, copy number variation[illegible]

[3] 21[illegible]Simons Simplex Collection[illegible]SSC[illegible]2 800[illegible]

[4] [illegible]15[illegible]C4[illegible]C4A[illegible]C4B[illegible]C4A[illegible]C4B[illegible]2016[illegible]1[illegible]“[illegible]”[illegible]C4[illegible]“[illegible]”[illegible]C4[illegible]C4A[illegible]C4B[illegible]“[illegible]”[illegible]20[illegible]70[illegible]80[illegible]90[illegible]21[illegible]40[illegible]C4[illegible]

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[illegible]20[illegible]……[illegible]20[illegible]21[illegible]

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[illegible]*Biology’s Big Bang*[illegible]2007[illegible]

1991[illegible]·[illegible]

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[illegible]20[illegible]90[illegible]·[illegible]“[illegible]”[illegible]

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1991[illegible]1996[illegible]

[illegible]20[illegible]90[illegible]10[illegible]12[illegible]

[illegible]3[illegible]“[illegible]”[illegible]1996[illegible]36[illegible]14[illegible]“[illegible]”[illegible]

[illegible]1998[illegible]

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[illegible]2001[illegible]3[illegible]·[illegible]·[illegible]George W. Bush[illegible]74[illegible]2006[illegible]2007[illegible]“[illegible]”[illegible]

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[illegible]20[illegible]80[illegible]DNA[illegible]DNA[illegible]DNA[illegible]

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2011[illegible]·[illegible]Jennifer Doudna[illegible]·[illegible]Emmanuelle Charpentier[illegible]“[illegible]”

2005[illegible]·[illegible]Philippe Horvath[illegible]·[illegible]Rodolphe Barrangou[illegible]Danisco[illegible]DNA[illegible]DNA[illegible]

[illegible]“[illegible]”[illegible]RNA[illegible]DNA[illegible]“[illegible]”RNA[illegible]DNA[illegible]DNA[illegible]

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2012[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[illegible]DNA[illegible]

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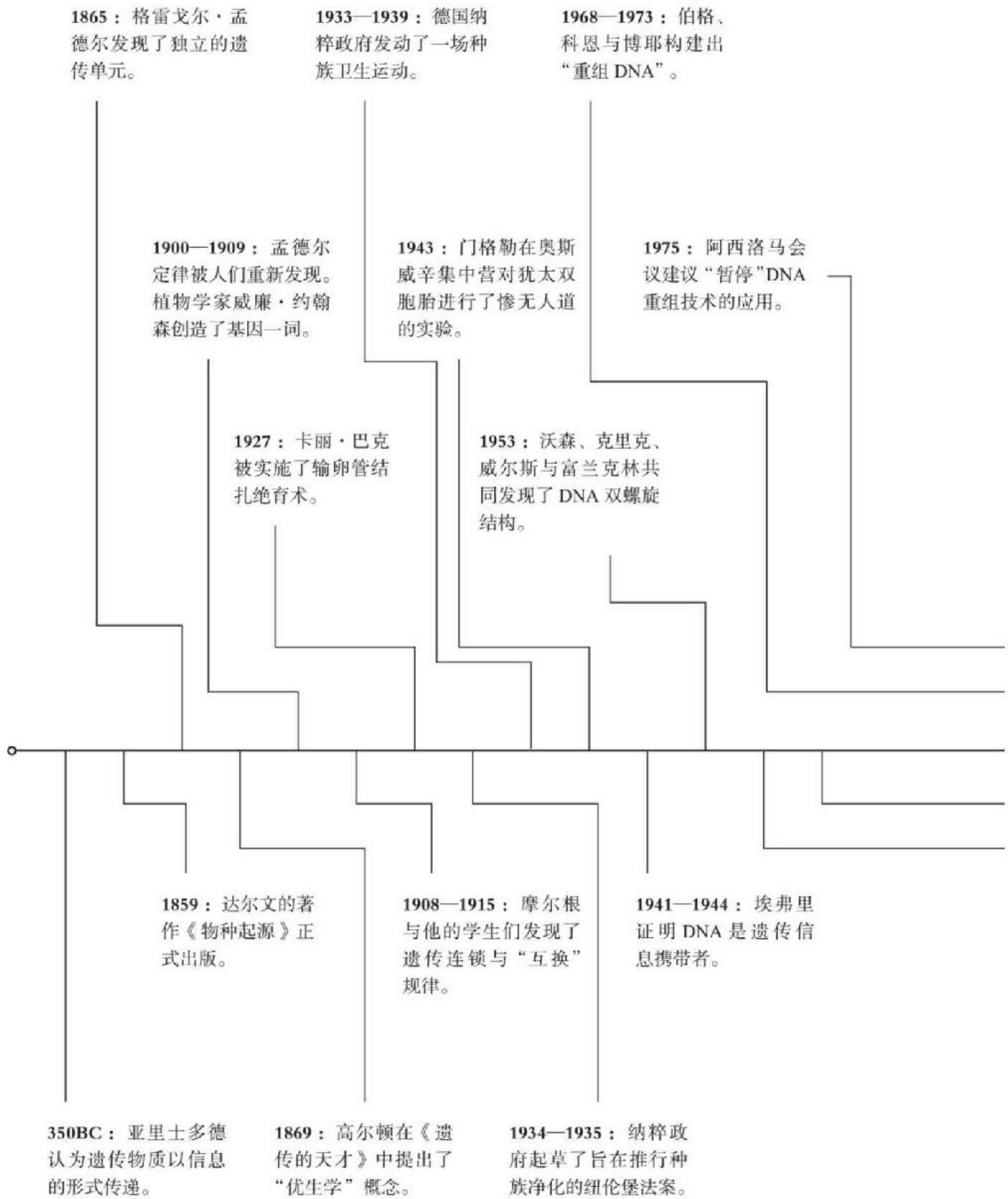
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1865：格雷戈尔·孟德尔发现了独立的遗传单元。
1933—1939：德国纳粹政府发动了一场种族卫生运动。
1968—1973：伯格、科恩与博耶构建出“重组DNA”。
1900—1909：孟德尔定律被人们重新发现。植物学家威廉·约翰森创造了基因一词。
1943：门格勒在奥斯威辛集中营对犹太双胞胎进行了惨无人道的实验。
1975：阿西洛马会议建议“暂停”DNA重组技术的应用。
1927：卡丽·巴克被实施了输卵管结扎绝育术。
1953：沃森、克里克、威尔斯与富兰克林共同发现了DNA双螺旋结构。
1859：达尔文的著作《物种起源》正式出版。
1908—1915：摩尔根与他的学生们发现了遗传连锁与“互换”规律。
1941—1944：埃弗里证明DNA是遗传信息携带者。
350BC：亚里士多德认为遗传物质以信息的形式传递。
1869：高尔顿在《遗传的天才》中提出了“优生学”概念。
1934—1935：纳粹政府起草了旨在推行种族净化的纽伦堡法案。

1945—1960：研究显示，基因通过编码 RNA 来发挥作用。此外，人们还发现了基因的调控机制。

1961—1963：遗传密码被破译。

1970—1980：基因克隆与基因扩增技术问世。

1976：人们证实基因突变是致癌元凶。

1978—1988：人类疾病相关基因定位研究蓬勃兴起。

1990：人们发现 *SRY* 基因可以决定雄性性别。

1993：某些遗传学家认为存在“同性恋基因”。

1994：一项大规模遗传研究揭穿了种族观念的真相。

1998：成功分离出人类胚胎干细胞（ES）。

1999：杰西·基辛格死于基因治疗。

2000：绘制完成人类基因组序列草图。

2005—2008：人类基因组研究改变了我们对于人类起源与迁徙的理解。

2009—2013：人们发现了精神分裂症、躁郁症与自闭症基因。

2010—2015：用于“编辑”与改变人类基因组的新方法相继问世。

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The 10,000 Year Explosion

How Civilization Accelerated Human Evolution

Gregory Cochran & Henry Harpending

一万年的爆发

文明如何加速人类进化

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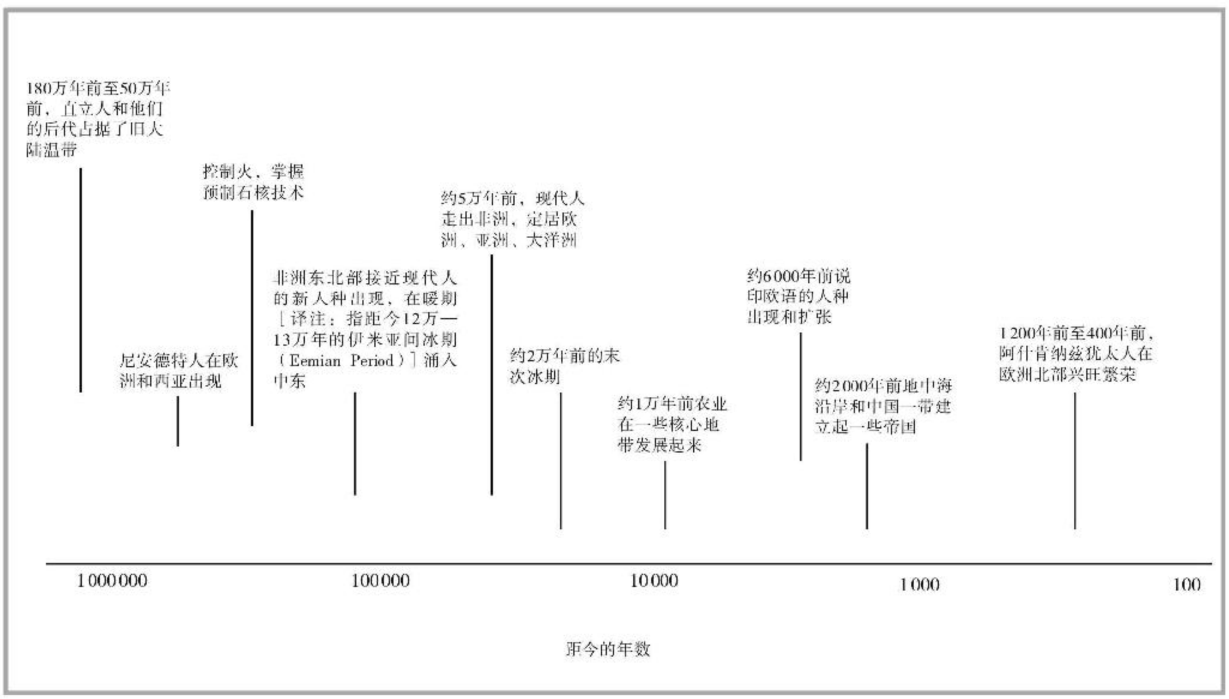
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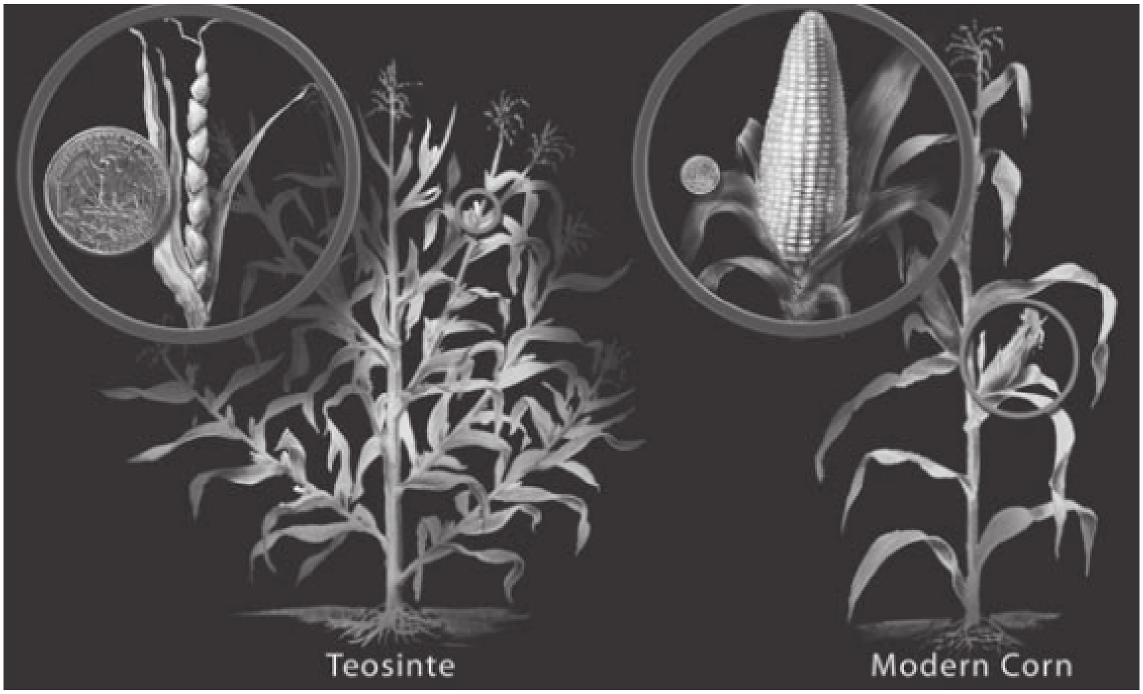


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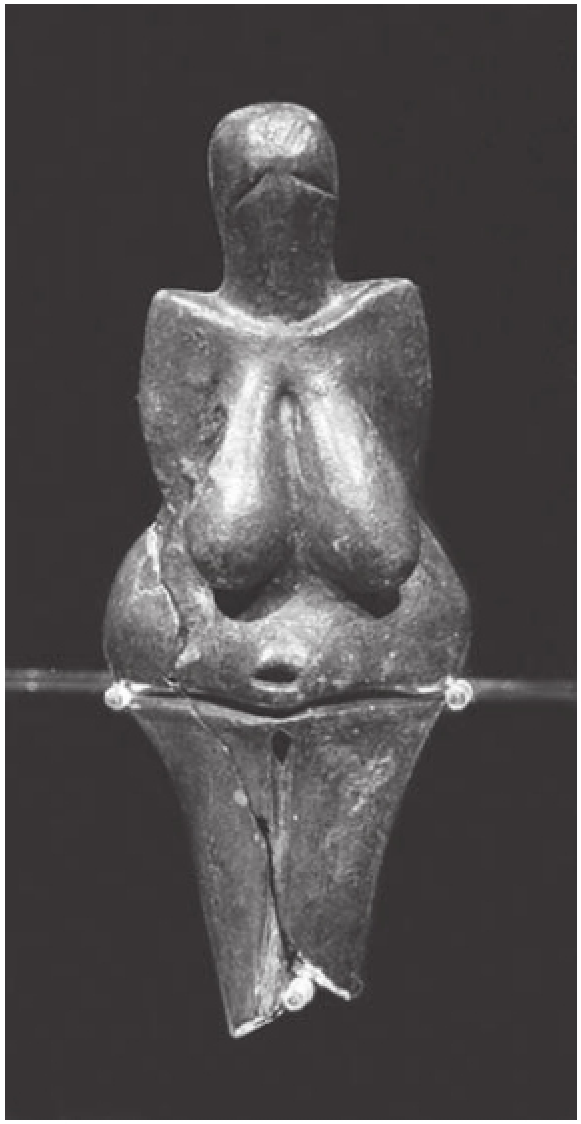
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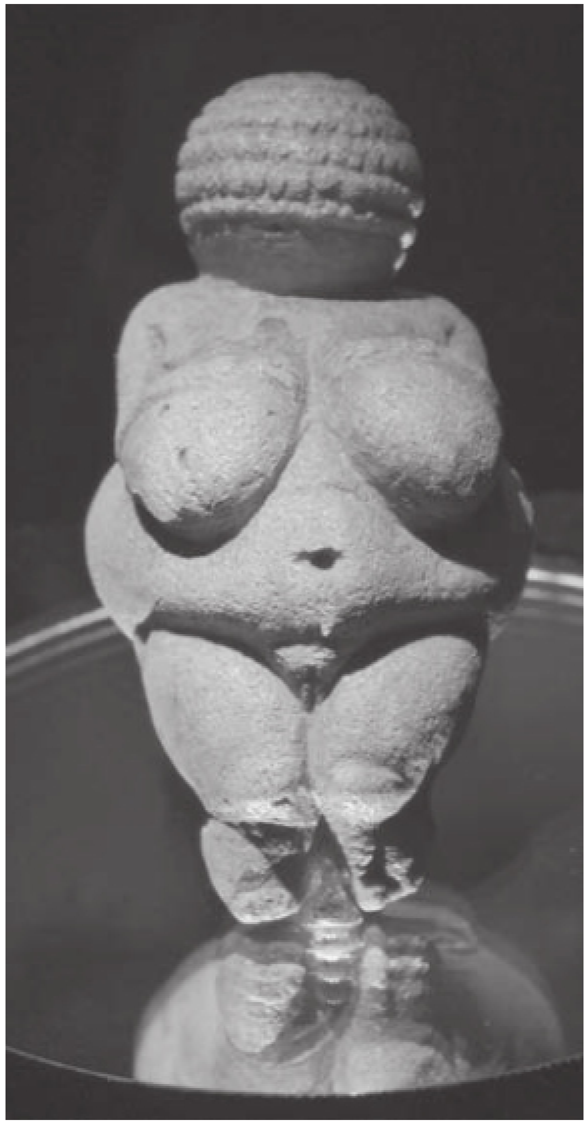
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·Jared Diamond



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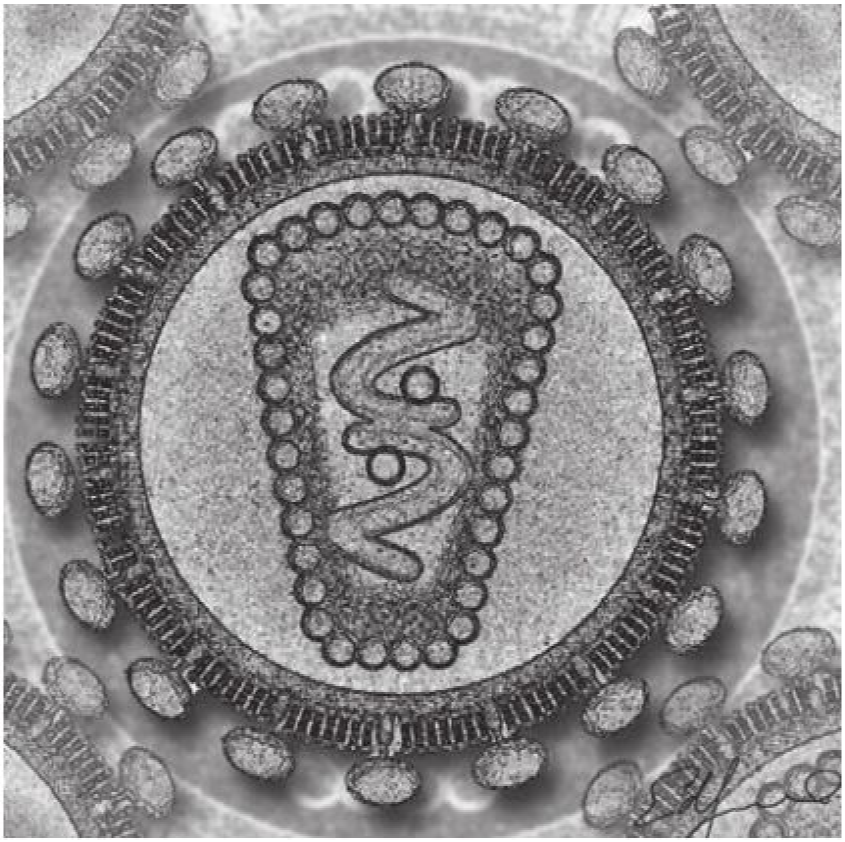
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[illegible]“[illegible]”[illegible]——[illegible]

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[illegible]HapMap[illegible]

[illegible]“[illegible]”[illegible]

[illegible]SLC24A5[illegible]5800[illegible]99[illegible]20[illegible]

[illegible]D[illegible]D[illegible]

[illegible]2[illegible]（oculocutaneous albinism II，OCA2[illegible]——[illegible]OCA2[illegible]OCA2[illegible]OCA2[illegible][4]

[illegible]OCA2[illegible]D[illegible]OCA2[illegible]OCA2[illegible]1[illegible][5][illegible]OCA2[illegible]the Navajo[illegible]4.5[illegible][6][illegible]OCA2[illegible]

[illegible]D[illegible]D[illegible]

[illegible]

[illegible]1[illegible][7][illegible]20000[illegible]10[illegible]3000[illegible]

[illegible][8]

[illegible]1000[illegible]650[illegible]450[illegible]*Mary Rose*[illegible]700[illegible]15[illegible][9]

[illegible]

[illegible]“[illegible]”（driving genes）[illegible]

[illegible]DNA[illegible]

[illegible]50[illegible]（for sperm associated antigen 6，SPAG6）[illegible][10]

[illegible]

[illegible][11][illegible]——[illegible]17[illegible]8[illegible]

[illegible]

[illegible]25[illegible]

[illegible]

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[illegible]Dystrophin[illegible]

[illegible]10[illegible]——[illegible]

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[illegible]1798[illegible]*An Essay on the Principle of Population*[illegible]·[illegible]Thomas Malthus[illegible]

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[illegible]10[illegible]——[illegible]2.5[illegible]25[illegible]250[illegible]2.5[illegible]7[illegible]10[illegible]

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[illegible]——[illegible]——[illegible]

[illegible][13]

[illegible]

[illegible]·[illegible]Gregory Clark[illegible]*A Farewell to Alms* [illegible][14] [illegible]1000[illegible]

[illegible]

[illegible]“[illegible]”[15]

[illegible]“[illegible]”[illegible]

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[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]800[illegible]“[illegible]”[19][illegible]——[illegible]——[illegible]

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[illegible]Norman Conquest[illegible]Wars of the Roses[illegible]——[illegible]“[illegible]”[illegible]

[illegible]——[illegible]——[illegible]

[illegible][21][illegible]

[illegible]Cyrenaica[illegible]silphium[illegible]—[illegible]

[illegible]



[illegible]

[illegible]·[illegible]

[illegible]·[illegible]

1860—1862[illegible]

[illegible]

28.1cm×34.9cm[illegible]11 $\frac{1}{16}$ in×13 $\frac{3}{4}$ n.[illegible]

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[illegible]“[illegible]”[illegible]

[illegible]D4（dopamine receptor D4，DRD4）[illegible]7R[illegible]7[illegible]“[illegible]”（Attention-Deficit/Hyperactivity disorder，ADHD）[illegible]

[illegible]7R[illegible]7R[illegible]7R[illegible]

[illegible]

[illegible]·[illegible]——[illegible]

[illegible]——[illegible]——[illegible]——[illegible]

[illegible]1636[illegible]The Pequot War[illegible]“[illegible]”[illegible]

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[illegible]10[illegible]“[illegible]”[illegible]

[illegible]——[illegible]α—[illegible]3[illegible]alpha-actinin-3[illegible]ACTN3[illegible]——[illegible]ACTN3[illegible]33[illegible][24][illegible]ACTN3[illegible]

[illegible]

[illegible]

[illegible]*Narrow Roads of Gene Land*[illegible]·[illegible]William Hamilton[illegible]“[illegible]”[25]

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[illegible]——[illegible]1500[illegible]20[illegible]6[illegible]——[illegible]300[illegible]20[illegible]40[illegible]1800[illegible]

[illegible]1000[illegible]10[illegible]1:100000[illegible]1:1000[illegible]1:100[illegible]1[illegible]10[illegible]1000[illegible]10[illegible]50[illegible]

[illegible]——[illegible]

[illegible]

[illegible]“[illegible]”[illegible]5[illegible]9[illegible]1.75[illegible]3[illegible]7.62[illegible]2/3[illegible]5[illegible]6[illegible]6[illegible]1.68—1.82[illegible]1/6[illegible]6[illegible]50[illegible]6[illegible]3[illegible]1.9[illegible]770[illegible]6[illegible]6[illegible]1.98[illegible]——[illegible]5[illegible]6[illegible]1.68[illegible]6[illegible]6[illegible]1.98[illegible]40[illegible]

[illegible]

[illegible]16[illegible]Nicolas Copernicus[illegible]1543[illegible]“[illegible]”[illegible]protoscience[illegible]

[illegible]“[illegible]”[illegible]

[illegible]1450[illegible]

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[31] [illegible]“[illegible]”[illegible]——[illegible]

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[illegible]Y[illegible]DNA[illegible]Y[illegible]

[illegible]

[illegible]

[illegible]

1859[illegible]·[illegible]24[illegible]6[illegible]31[illegible]24[illegible]1[illegible]100[illegible]5[illegible]2[illegible]10[illegible]2500[illegible]10[illegible]200[illegible]

[illegible]1[illegible]75[illegible]10[illegible]

[illegible]“[illegible]”[illegible]——[illegible]——[illegible]——[illegible]

[illegible]

[illegible]DNA[illegible]DNA[illegible]30[illegible]100[illegible]DNA[illegible]——[illegible]2[illegible]DNA[illegible]——[illegible]DNA[illegible]

[illegible]6[illegible]

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1980[illegible]Limone sul Garda[illegible]“[illegible]”[illegible]1000[illegible]43[illegible]43[illegible]1780[illegible]·[illegible]·[illegible][4][illegible]ApoA-I[illegible]Apolipoprotein A-I[illegible]ApoA-I[illegible]$ApoA\text{-}I_M$[illegible]M[illegible]



[illegible]

$ApoA\text{-}I_M$ [illegible][5][illegible]ApoA-

I_M [illegible][6][illegible]ApoA-I_M [illegible]

[illegible]43[illegible]

[illegible]7[illegible]7[illegible]6000[illegible]6000[illegible]

6000[illegible]20[illegible]30[illegible]

[illegible]

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[illegible]σ[illegible]s[illegible] $\sigma \times (2S)^{\frac{1}{2}}$ [illegible]/[illegible]

[illegible]40[illegible]·[illegible]Alan Fix[illegible]150[illegible]6[illegible]7[illegible]9.7—11.2[illegible][7]

[illegible]5[illegible]8000[illegible]9[illegible]14.5[illegible]/[illegible]1[illegible]2[illegible]/[illegible]1.5[illegible]2.4[illegible]/[illegible]400[illegible]25[illegible]5[illegible]600[illegible]965.6[illegible]

[illegible]15000[illegible]——[illegible]——[illegible]

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[illegible]“[illegible]Elopi[illegible]Fayu[illegible]”[9][illegible]100[illegible]

[illegible]

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[illegible]——[illegible]——[illegible]

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[illegible]

[illegible]

[illegible]——[illegible]——[illegible]

[illegible][10]

[illegible]Miletus[illegible]90[illegible]“[illegible]”[illegible]β[illegible]6—[illegible]G6PD[illegible]

[illegible]DNA[11][illegible]DNA[12][illegible]

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[illegible]Y[illegible][13][illegible]Y[illegible][14][illegible]

[illegible]Y[illegible]1/3[illegible]

[illegible]

[illegible] 742 [illegible] 3 [illegible] 707 [illegible] 10 [illegible] 703 [illegible] 20.8 [illegible] 722 [illegible]

[illegible] 300 [illegible] 400 [illegible] 586 [illegible] 538 [illegible]

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[illegible]·[illegible]“[illegible]……[illegible]……[illegible]……[illegible]”[15]

[illegible]92[illegible]175[illegible]·[illegible]8000[illegible]5500[illegible]Legio VI Victrix[illegible]250[illegible]

[illegible]HapMap[illegible]——[illegible]——[illegible]

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[illegible]120[illegible]3[illegible]400[illegible]406[illegible]409[illegible]

[illegible]8[illegible]429[illegible]435[illegible]——[illegible]——[illegible]·[illegible]“[illegible]”[17]

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[illegible]90[illegible][5]

[illegible]·[illegible]Hernán Cortés[illegible]“[illegible]”[illegible]La Noche Triste[illegible]Moctezuma II[illegible]2/3[illegible]

[illegible]·[illegible]Francisco Pizarro[illegible]

[illegible]168[illegible]

[illegible]Taino and Arawak peoples[illegible]1530[illegible]

[illegible]Pilgrims[illegible]3[illegible]Squanto[illegible]Jamestown[illegible]

[illegible][6][illegible]11000[illegible]3353[illegible]Altiplano[illegible]

[illegible]Tlaxcala[illegible]“[illegible]”——[illegible]

1492[illegible]3000[illegible]4000[illegible]——[illegible]

[illegible]——[illegible]1609[illegible]

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[illegible]——[illegible]HIV-1[illegible]5[illegible]CCR5[illegible]delta CCR5[illegible][7][illegible]26[illegible]

[illegible]500[illegible][8][illegible]15[illegible]17[illegible]

[illegible]Yanomamo[illegible]E[illegible]

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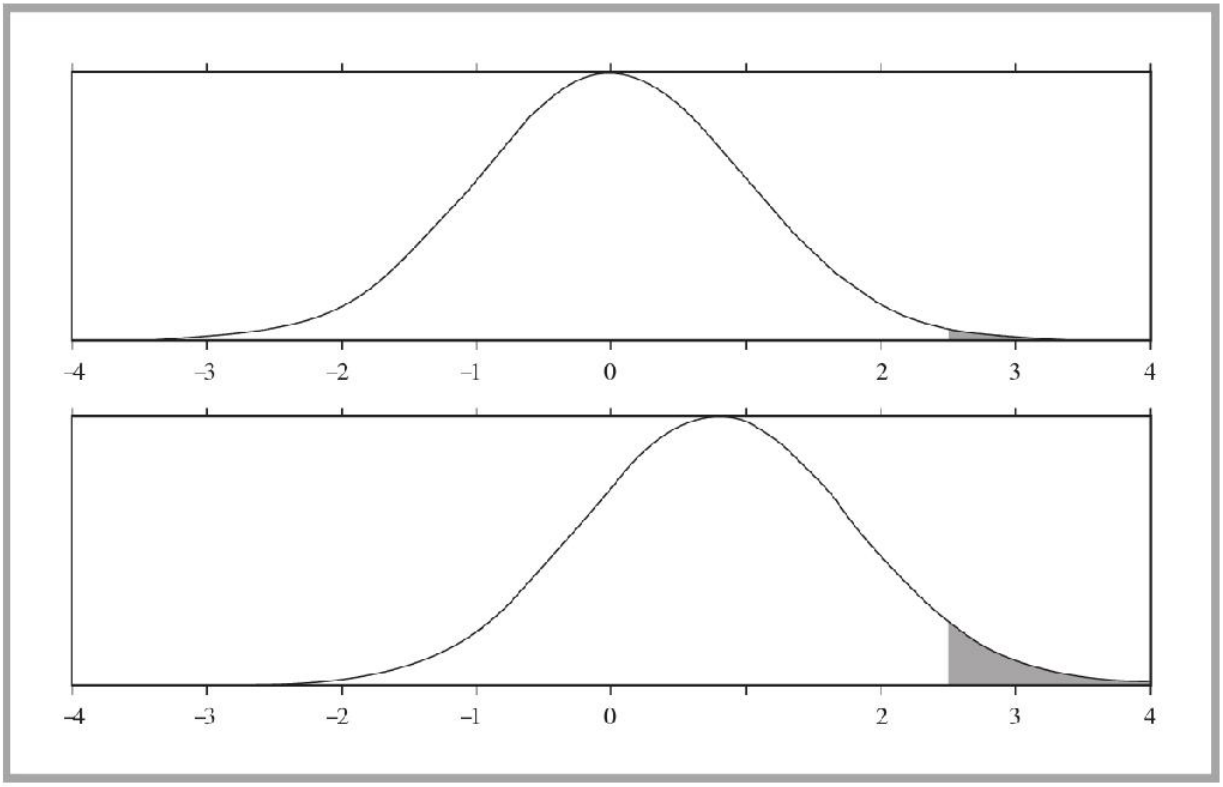
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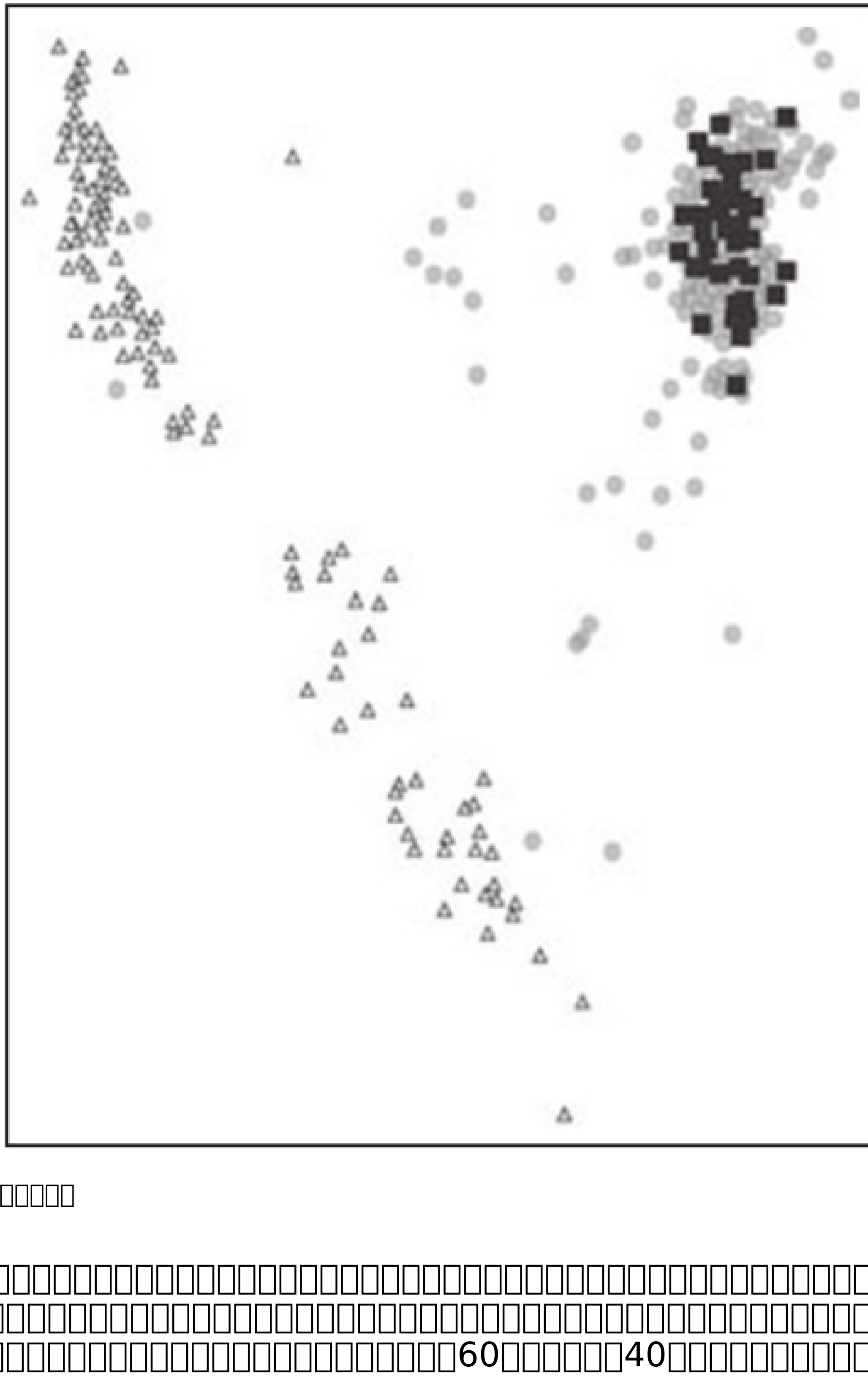
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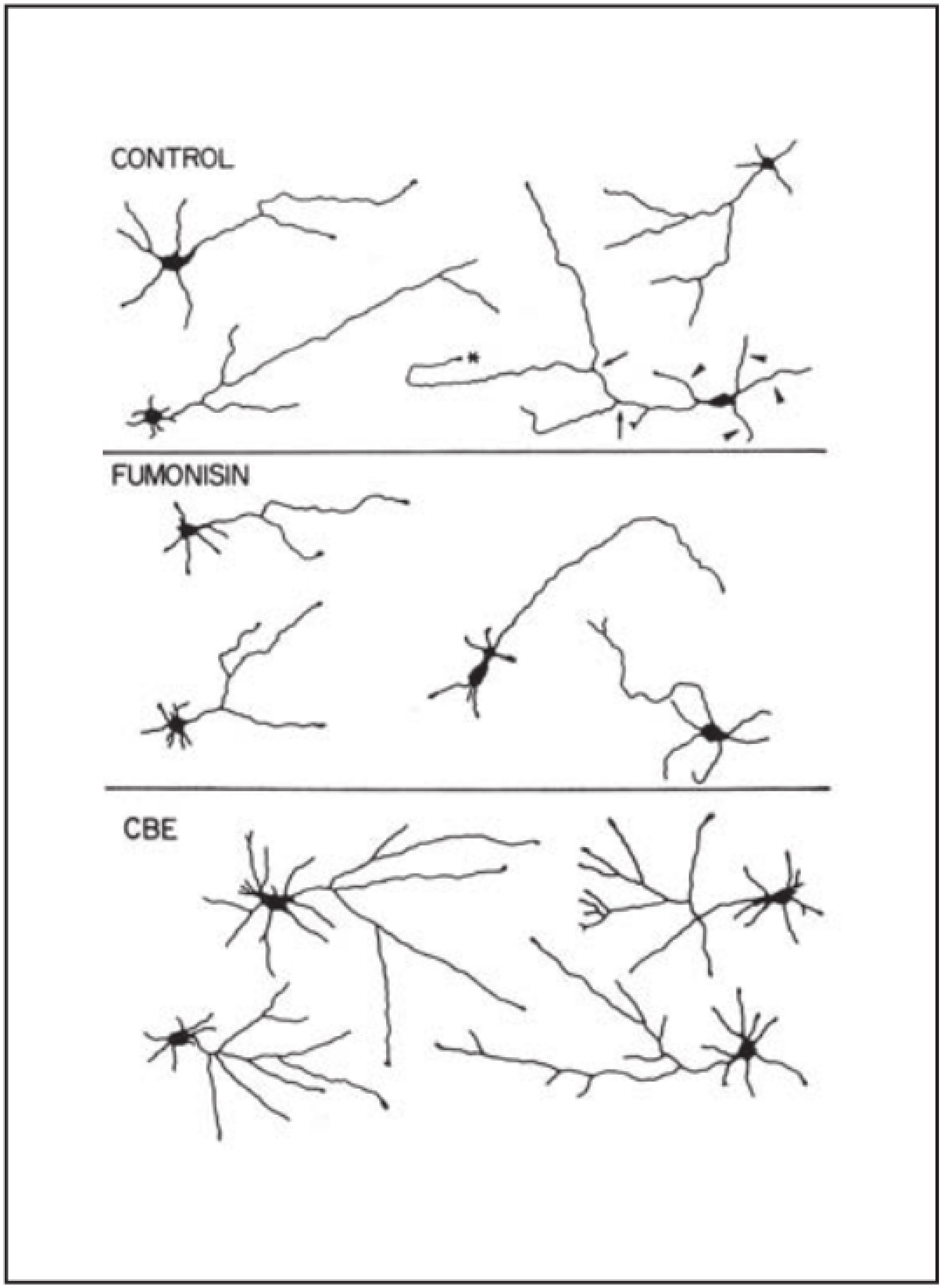
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EUROPE ON TRIAL
The Story of Collaboration, Resistance, and Retribution during World War II
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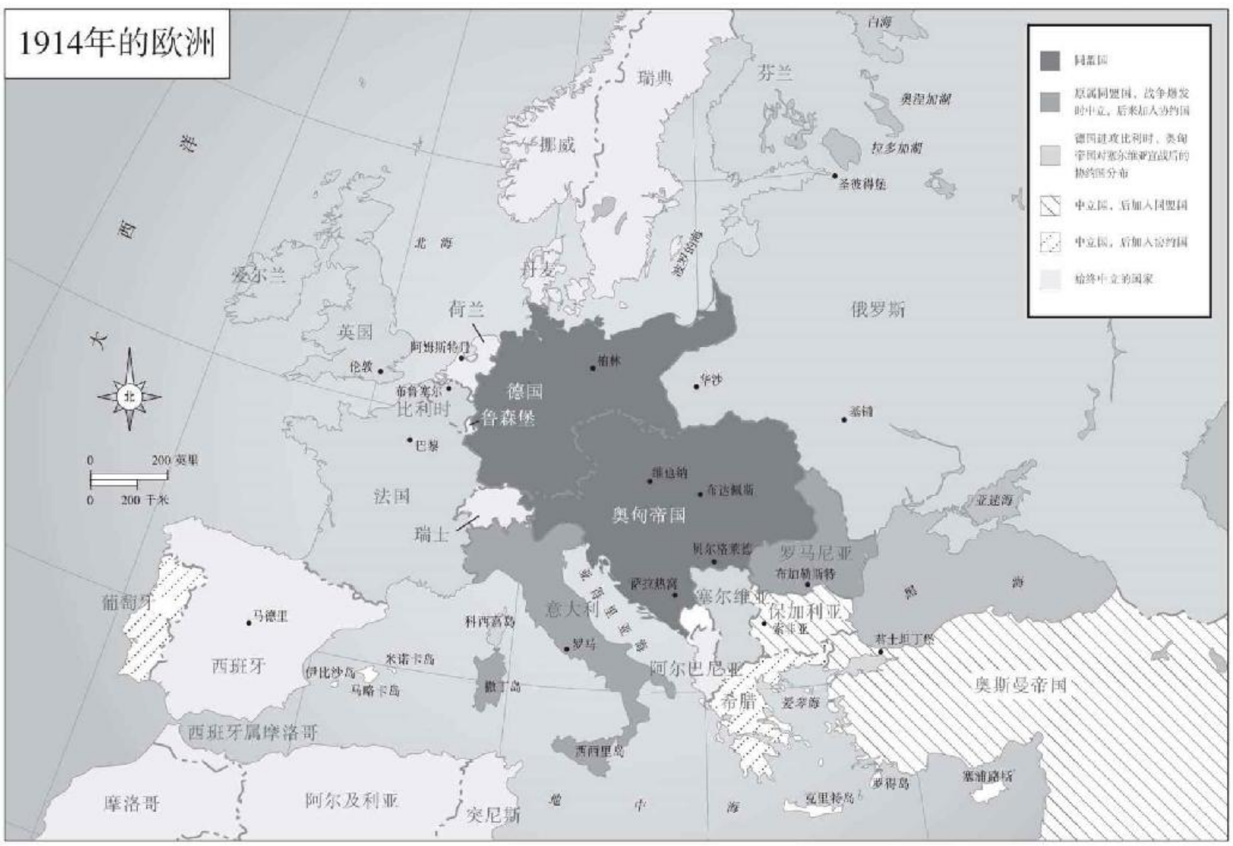
[illegible]1792—1824[illegible]“[illegible]”[illegible]guerrilla[illegible]“[illegible]”[illegible]

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[illegible][3][illegible]1814 —1815[illegible][4][illegible]19[illegible]50[illegible]

[illegible]3—4[illegible]19[illegible]

[illegible]



[illegible]19[illegible]70[illegible]3—4[illegible]1900[illegible]

[illegible]“[illegible]”（Haben Sie gedient[illegible]

[illegible]1914[illegible]

[illegible]“[illegible]”[illegible]

[illegible]1907[illegible]（*Fourth Hague International Convention of 1907*）[illegible]42—43[illegible][5][illegible]1914—1918[illegible]

[illegible]“[illegible]”[illegible]1914—1918[illegible]

[illegible]“[illegible]”（francs-tireur[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]

[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1914[illegible]“[illegible]”[illegible]

[illegible]1914[illegible]·[illegible]Galicia[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]Ottoman Empire[illegible]Young Turk[illegible]Syrian Desert[illegible]/[illegible]“[illegible]”[illegible]

[illegible]Anatolia[illegible]1919[illegible]

[illegible][6][illegible]“[illegible]

[illegible]”[illegible]

“[illegible]”[illegible]1928[illegible]8[illegible]27[illegible][7][illegible]44[illegible]5[illegible]Attila the Hun[illegible]

[illegible]20[illegible]30[illegible]1936[illegible]1938[illegible]Sudetenland[illegible]



□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1939□9□□□

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[1] □□Otto Schwarz, ed., Strafgesetzbuch, Nebengesetze, Verordnungen und Kriegsstrafrecht, 12th rev. ed., 7th Great German ed. (Munich and Berlin: C. H. Beck’sche Verlagsbuchhandlung, 1943)□□□□□□□□□335–338□211□□1939□10□8□□□□□□□□□□□□□□□□□□□□□1010–1012□□□□□1012–1019□□

[2] Martin Rittau, ed., Militärstrafgesetzbuch, in der Fassung vom 10 Oktober 1940 — mit Einführungsgesetz und Kriegsstrafrechtsordnung (Berlin: Walter de Gruyter Verlag, 1943), 99.

[3] □□□□□Napoleonic Wars□□□□□□□□□□□□□□1803—1815□□□□□□□□□□□□□□□□□1789□□□1814□□1815□□□□□——□□□

[4] □□□□□Congress of Vienna□□1814—1815□□——□□□

[5] □□W. Michael Reisman and Chris T. Antoniou, eds., The Laws of War: A Comprehensive Collection of Primary Documents on International Laws Governing Armed Confict(New York: Vintage Books,1994), 232–233; Lester Nurick and Roger W. Barrett, “Questions of Guerrilla Forces Under the Laws of War,” American Journal of International Law 40, no. 3 (1946): 563–583; Kenneth Macksey,The Partisans of Europe in the Second World War (New York: Stein and Day, 1975), 17–18; and Major Richard R. Baxter, “The Duty of Obedience to the Belligerent Occupant,” British Yearbook of International Law (1950): 235–255□

[6] □□□□League of Nations□1920—1946□□□□□□□□□□□□□——□□□

[7] □□□1928□8□27□□□

[illegible]

[illegible]

——[illegible]

[illegible]“[illegible]”[illegible]1939[illegible]9[illegible]1941[illegible]6[illegible]1941[illegible]6[illegible]22[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]1943[illegible]1[illegible]“[illegible]”[illegible]

[illegible]1939—1941[illegible]20[illegible]30[illegible]40[illegible]

[illegible]

[illegible]“[illegible]”[illegible]

[illegible] [1] [illegible] 1918 [illegible]

[illegible] Tyrol [illegible] —— [illegible] Social Democrats [illegible] German nationalists [illegible] Christian Social Party [illegible] [2] [illegible] 1919 [illegible]

[illegible] “[illegible]” [illegible] 1938 [illegible]

1919 [illegible] “[illegible]” [illegible]

[illegible] SS [illegible] SA [illegible] 1938 [illegible] “[illegible]” [illegible] 350 [illegible]

[illegible] 1938 [illegible] “[illegible]” [illegible]

[illegible]1938[illegible]1938[illegible]1938[illegible]（Dachau concentration camp）[illegible]（Mauthausen concentration camp）[illegible]

[illegible]1938[illegible]1938[illegible]11[illegible] [3] [illegible]

[illegible]

[illegible]——[illegible]

[illegible]“[illegible]”[illegible]

“[illegible]”[illegible]·[illegible] [4] [illegible]“[illegible]”[illegible]

[illegible]

[illegible] 1914 [illegible] Ruthenes [illegible] Rusyns [illegible]

[illegible]·[illegible]·[illegible] [5] [illegible]·[illegible] [6] [illegible] 1938 [illegible]

[illegible] 1938 [illegible] 9 [illegible] [7] [illegible]

[illegible] 1939 [illegible] 3 [illegible]“[illegible]”[illegible]

[illegible] 1938 [illegible] 100 [illegible]

1938 [illegible]

[illegible]

[illegible]

[illegible]Skoda[illegible]

1938[illegible]·[illegible] [8] [illegible]·[illegible]

[illegible]·[illegible]Alois Eliáš[illegible]1942[illegible]6[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]1941[illegible]6[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

1939[illegible]3[illegible]1942[illegible]

[illegible]·[illegible][9][illegible]

[illegible]1942[illegible]6[illegible]——[illegible]——[illegible]

[illegible]1938[illegible]·[illegible][10][illegible]



[illegible]2.1 “[illegible]”[illegible]·[illegible]

[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible] [11] [illegible]

[illegible]1772[illegible]1919—1920[illegible]

[illegible]

[illegible]1939[illegible]8[illegible]8[illegible]23[illegible] [12] [illegible]

9[illegible]1[illegible] [13] [illegible]“[illegible]” [14] [illegible]9[illegible]17[illegible]

1939[illegible]Cracow[illegible]Generalgouvernement[illegible]“[illegible]”[illegible]

[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]


波　兰
1939—1945
维尔纽斯
但泽
比亚韦斯托克
特雷布林卡
华沙
罗兹
卢布林
迈丹尼克
奥斯维辛
克拉科夫
利沃夫
1939年9月苏德分界线
1941年大德意志边界
1939—1945年被德国占领
1941年被德国占领
1939年被德国吞并
1939年被苏联吞并，1941年被德国占领

[illegible]

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[1] [illegible]——[illegible]

[2] [illegible]Anschluss[illegible]1938[illegible]——[illegible]

[3] [illegible]Kristallnacht[illegible]“[illegible]”[illegible]1938[illegible]11[illegible]9[illegible]——[illegible]

[4] [illegible]·[illegible]Woodrow Wilson[illegible]1856[illegible]12[illegible]28[illegible]—1924[illegible]2[illegible]3[illegible]28[illegible]——[illegible]

[5] [illegible]·[illegible]·[illegible]Tomáš Garrigue Masaryk[illegible]1850[illegible]3[illegible]7[illegible]1920[illegible]1927[illegible]1934[illegible]——[illegible]

[6] [illegible]·[illegible]Edvard Beneš[illegible]1918—1935[illegible]——[illegible]

[7] [illegible]Mussolini[illegible]——[illegible]

[8] [illegible]·[illegible]Emil Hácha[illegible]1872[illegible]7[illegible]12[illegible]—1945[illegible]6[illegible]27[illegible]1938—1939[illegible]1939—1945[illegible]——[illegible]

[9] [illegible]·[illegible]Reinhard Heydrich[illegible]1904[illegible]3[illegible]7[illegible]—1942[illegible]6[illegible]4[illegible]“[illegible]”“[illegible]”“[illegible]”“[illegible]”“[illegible]”“[illegible]”[illegible]1941[illegible]9[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]

[10] [illegible]·[illegible]Father Jozef Tiso[illegible]1887[illegible]10[illegible]13[illegible]—1947[illegible]4[illegible]18[illegible]1939—1945[illegible]——[illegible]

[11] [illegible]·[illegible]Józef Piłsudski[illegible]1867[illegible]12[illegible]5[illegible]—1935[illegible]5[illegible]12[illegible]1918—1922[illegible]1926—1935[illegible]1905[illegible]1918—1922[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1926[illegible]——[illegible]

[12] [illegible]Molotov-Ribbentrop Pact[illegible]1939[illegible]8[illegible]23[illegible]1939[illegible]9[illegible]1940[illegible]8[illegible]“[illegible]”[illegible]——[illegible]

[13] 1939[illegible]9[illegible]110[illegible]20[illegible]

[14] [illegible]Third Reich[illegible]1933—1945[illegible]·[illegible]1933—1939[illegible]1939—1945[illegible]“[illegible]”[illegible]962—1806[illegible]“[illegible]”[illegible]1871—1918[illegible]“[illegible]”[illegible]——[illegible]

[illegible]

[illegible]

——[illegible]1939—1941

1939[illegible]9[illegible]7[illegible][1] [illegible]1939[illegible]11[illegible]1940[illegible]3[illegible]400[illegible]1.7[illegible][2] [illegible]——[illegible]

[illegible]“[illegible]”[3] [illegible]

[illegible]300[illegible]400[illegible]900[illegible]800[illegible]4 000[illegible]

[illegible]10%[illegible]80[illegible]700[illegible]800[illegible]

[illegible]“[illegible]”[illegible]900[illegible]26[illegible]0[illegible]——[illegible]1940[illegible]5[illegible]1938[illegible]——[illegible] [4]

“[illegible]”[illegible]“[illegible]”[illegible]1914[illegible]8[illegible]Marne River[illegible]“[illegible]”[illegible]Maginot line[illegible]1940[illegible]5[illegible]1940[illegible]4—6[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]1940[illegible]6[illegible]22[illegible]·[illegible]Marshal Philippe Pétain[illegible]“[illegible]”[illegible]

[illegible]Narvik[illegible]——[illegible]

[illegible]Longchamp[illegible]

[illegible]

[illegible]

[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]（Flemish-speaking）[illegible]（Grand Duchy of Luxembourg）[illegible]1940[illegible]5[illegible]

[illegible]“[illegible]”[illegible]（Viking tradition）[illegible]

[illegible]（King Haakon VII）[illegible]（King Christian X）[illegible]·[illegible]（Vidkun Quisling）[illegible]

[illegible]1943[illegible]3[illegible]2%[illegible]

1941[illegible]11[illegible]*Anti-Comintern Pact*[illegible][5][illegible]

[illegible]1936[illegible]11[illegible]Manchukuo[illegible]1939[illegible]1941[illegible]

[illegible]1943[illegible]8[illegible]

[illegible]——[illegible]Auschwitz[illegible]——[illegible]

[illegible]30[illegible]

[illegible]

[illegible]1%[illegible]1 700[illegible]8 000[illegible]

[illegible]Queen Wilhelmina[illegible]“[illegible]”[illegible]

[illegible]·[illegible]Artur Seyss-Inquart[illegible]

[illegible]Nederlandse Unie[illegible]1941[illegible]

[illegible]Judenrat or Joodse Raad[illegible]1940[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]85[illegible]guilders[illegible]30[illegible]

[illegible]

[illegible]

[illegible]“[illegible]”[illegible]
[illegible]Eindeutschung[illegible]——[illegible] [6] [illegible]“[illegible]”[illegible]

[illegible]

[illegible]1940[illegible]5[illegible]10[illegible]6[illegible]12[illegible]5[illegible]27[illegible]—6[illegible]4[illegible]20[illegible]14[illegible]Dunkirk[illegible]·[illegible]Charles de Gaulle[illegible]

[illegible]Blitzkrieg[illegible]6[illegible]16[illegible]“[illegible]”[illegible]·[illegible]6[illegible]22[illegible]7[illegible]1[illegible]10[illegible]——[illegible]1919[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1943[illegible]9[illegible]



□3.1 □□□□□□□□□□□□□□□□Champs-Élysées□□□□

[illegible]

[illegible]1939[illegible]“[illegible]”[illegible]（Saint Louis IX[illegible][7] [illegible]

[illegible]20[illegible]·[illegible][8] [illegible]1940[illegible]



[illegible]·[illegible]Otto Abetz[illegible]·[illegible]·[illegible]Pierre Drieu La Rochelle[illegible]“[illegible]” [9]

[illegible]

[illegible]

[illegible]·[illegible]·[illegible]（Louis-Ferdinand Celine）[illegible]“[illegible]”[illegible]

[illegible]

[illegible]（Devil’s Island）[illegible]

[illegible]“[illegible]”（collaboration）[illegible]1940[illegible]10[illegible]（Montoire-sur-le-Loir）[illegible]“[illegible]（collaboration）[illegible]”[illegible]

[illegible]1940[illegible]7[illegible]（Mers-el-Kébir）[illegible]1 100[illegible]

[illegible]·[illegible]（Pierre Laval）[illegible]


HOTELS
PARC

[illegible]3.2 1942[illegible]·[illegible]·[illegible]Suhard[illegible]Gerlier[illegible]“[illegible]”[illegible]



[illegible]3.3 [illegible]

[illegible]

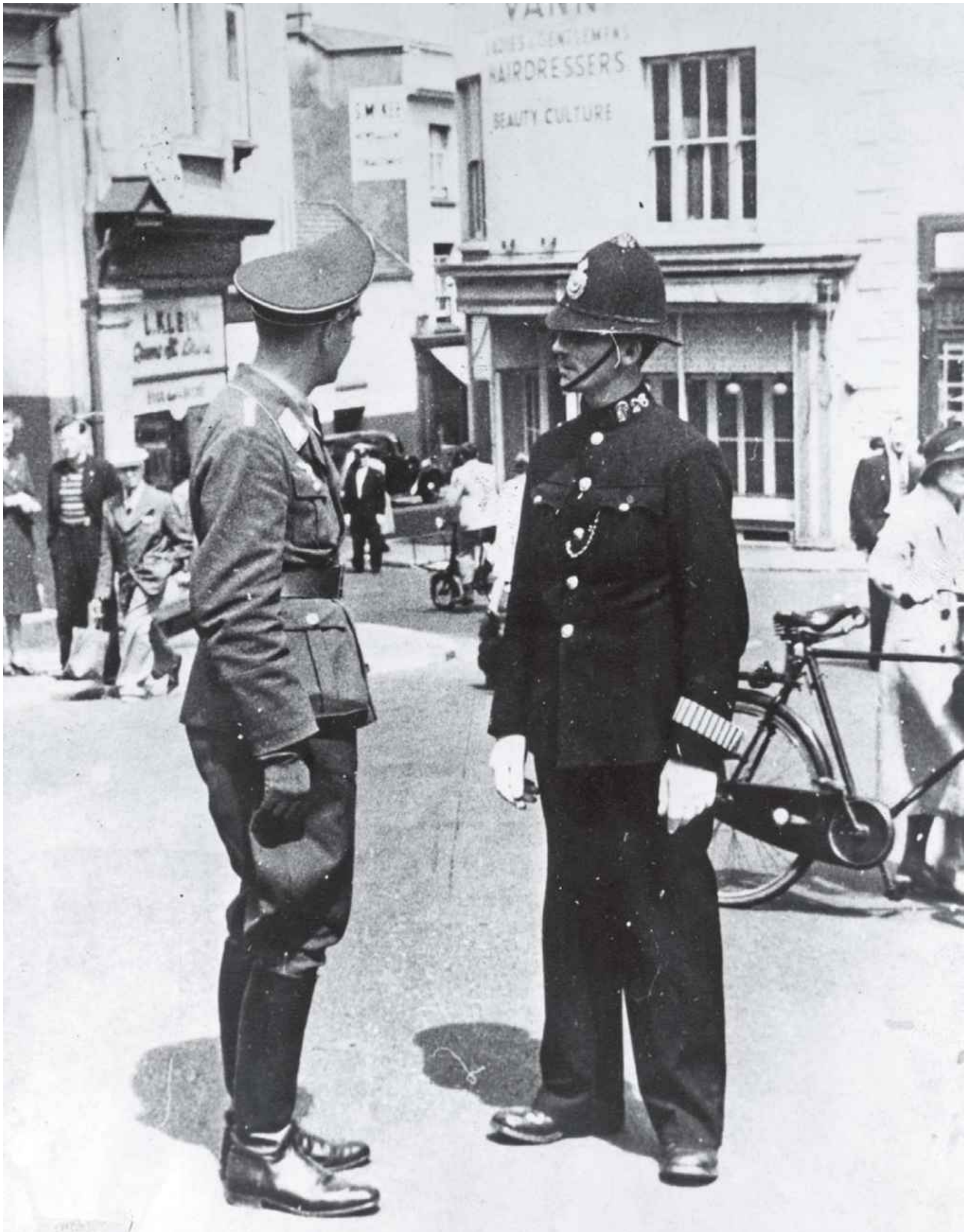
[illegible]Channel Islands[illegible] [13]

[illegible]Guernsey and Jersey[illegible]Norman Conquest[illegible] [14] [illegible]Alderney[illegible]Sark[illegible]

[illegible]Dame of Sark[illegible]1940[illegible]6[illegible]
[illegible]“[illegible]”[illegible]

[illegible]

[illegible]
900[illegible]



[illegible]3.4 [illegible]

[illegible]

[illegible]·[illegible]Benito Mussolini[illegible]

[illegible]

[illegible]1940[illegible]10[illegible]50[illegible]“[illegible]”[illegible]——[illegible]

[illegible]1941[illegible]4[illegible]

[illegible]island of Crete[illegible]1941[illegible]5[illegible]

[illegible]——[illegible]

[illegible]

1941[illegible]4[illegible]“[illegible]”[illegible]

[illegible]



[illegible]3.5 [illegible]1941[illegible]4[illegible]·[illegible]Ante Pavelic[illegible]·[illegible]·[illegible]Joachimvon Ribbentrop[illegible]

[illegible][15][illegible]

[illegible]1944[illegible]

[illegible]1918[illegible]1941[illegible]1941[illegible]1945[illegible]



1941—1945，外国占领下的南斯拉夫

[illegible]·[illegible]Ioannis Metaxas[illegible]

[illegible]·[illegible]“[illegible]”[illegible]1943[illegible]

[illegible]

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[1] [illegible]Phony War[illegible]1939[illegible]9[illegible]—1940[illegible]4[illegible]——[illegible]

[2] 1939—1940[illegible]

[3] Joachim Fest, Hitler, translated by Richard and Clara Winston (New York:Vintage Books, 1975), 646.

[4] [illegible]L. de Jong, “The Dutch Resistance Movement and the Allies, 1940–1945,” in European Resistance Movements, 1939—45: Proceedings of the Second International Conference on the History of the Resistance Movements Held at Milan 26–29 March 1961 (Oxford: Pergamon Press,1964), 341[illegible]

[5] [illegible]1919[illegible]1943[illegible]

[6] [illegible]——[illegible]

[7] [illegible]La Pucelle[illegible]1412[illegible]1[illegible]6[illegible]—1431[illegible]5[illegible]30[illegible]1337—1453[illegible]

[8] [illegible]·[illegible]Alfred Dreyfus[illegible]1859[illegible]10[illegible]9[illegible]—1935[illegible]7[illegible]12[illegible]1894[illegible]1906[illegible]7[illegible]12[illegible]

[9] Jacques Sémelin, Unarmed Against Hitler: Civilian Resistance in Europe, 1939—1943, translated by Suzan Husserl-Kapit (Westport, CT: Praeger, 1993), 5.

[10] [illegible]“[illegible]”[illegible]1942[illegible]5[illegible]

[11] [illegible]Free French[illegible]1940[illegible]6[illegible]·[illegible]6[illegible]18[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]

[12] [illegible]1941[illegible]6[illegible]1.5[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[13] [illegible]“[illegible]”[illegible]Madeleine Bunting, The Model Occupation: The Channel Islands Under German Rule (New York: HarperCollins, 1996); [illegible]K. M. Bachman, The Prey of an Eagle (Channel Islands: Guernsey Press, 1972)[illegible]

[14] [illegible]1066[illegible]——[illegible]

[15] [illegible]Ustasha[illegible]“[illegible]”[illegible]1941[illegible]/[illegible]1945[illegible]1929[illegible]——[illegible]

[illegible]

[illegible]

1941[illegible]6[illegible]22[illegible]——[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]300[illegible]5 000[illegible]1[illegible]3 000[illegible] [1] [illegible]

[illegible]400[illegible]7 500[illegible]

[illegible]

[illegible]300[illegible] [2] [illegible]

[illegible]1941[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]

[illegible]1941[illegible]“[illegible]”[illegible]2[illegible]Katyń[illegible]800[illegible]

[illegible]

[illegible]

[illegible]1932[illegible]Holodomor[illegible] [3] [illegible] [4] [illegible]400[illegible]1937[illegible]Great Terror[illegible]Cheka[illegible]GPU/State Political Administration[illegible]NKVD/People’s Commissariat of Internal Affairs[illegible]·[illegible]Timothy Snyder[illegible]111 091[illegible]681 692[illegible] [5] [illegible]Crimean Tatars[illegible]Kalmyks[illegible]Chechen-Ingush[illegible]

1941[illegible]6[illegible]22[illegible]

[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Karaite[illegible]



[illegible]4.1 [illegible]HandscharDivision[illegible]·[illegible]

[illegible]·[illegible]Ural mountains[illegible]·[illegible]·[illegible]·[illegible] [6] [illegible]

[illegible]Ukrainian SS[illegible]Kaminski Brigade[illegible]1944[illegible]

[illegible]

[illegible]100[illegible]（Trawniki）[illegible]“[illegible]”[illegible]·[illegible]（Peter Black）[illegible]“[illegible]”[7][illegible][8]

[illegible]·[illegible]（Bronislav Kaminski）[illegible]

[illegible]1941[illegible]6[illegible]

[illegible]1941—1944[illegible]30[illegible]

[illegible]

[illegible]1940[illegible]（Kommissariat Ostland）[illegible]“[illegible]”[illegible]

[illegible]

[illegible]4000[illegible]“[illegible]”[illegible] [9] [illegible]20[illegible]20[illegible]30[illegible]·[illegible]Nikita Khrushchev[illegible]1939[illegible]

1941[illegible]6[illegible]·[illegible]

[illegible]1939—1941[illegible]·[illegible]“[illegible]”[illegible]

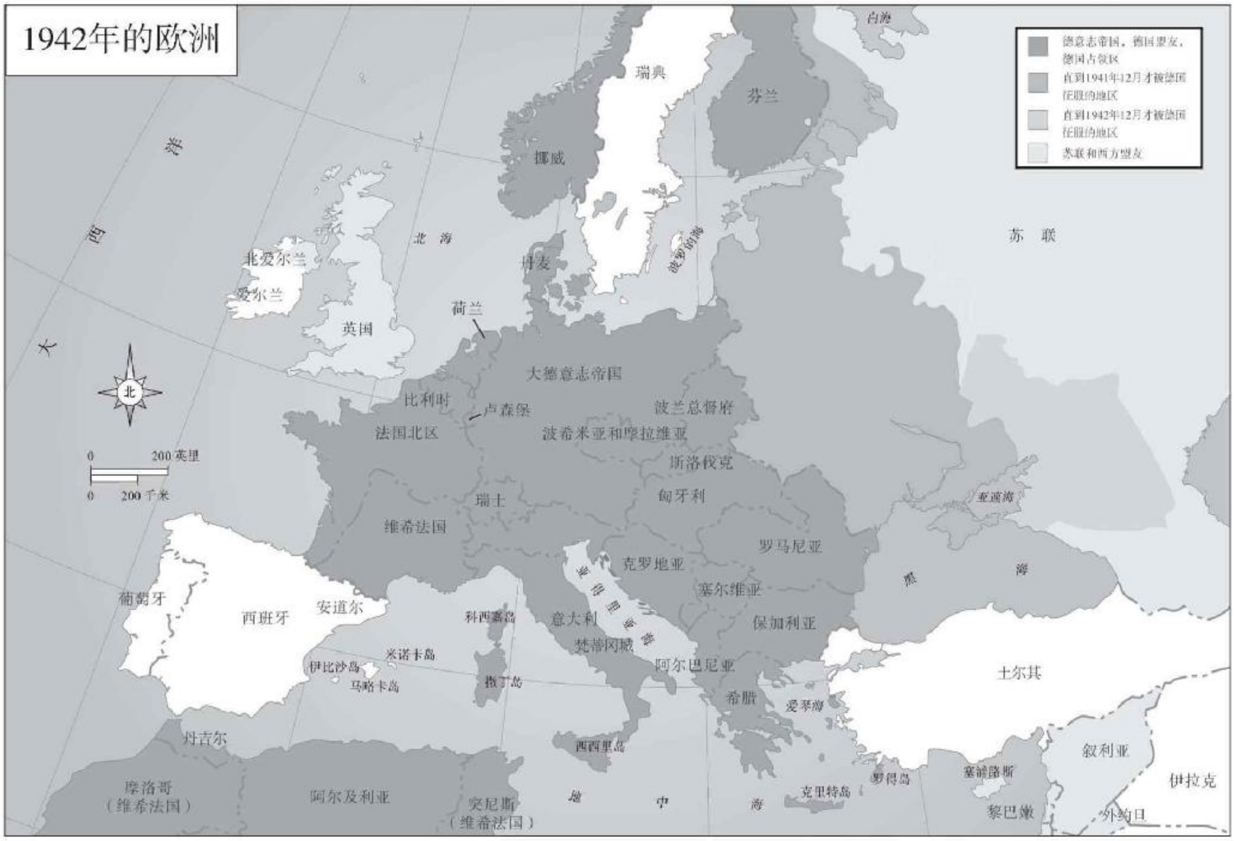
[illegible]

[illegible]

[illegible]Leningrad[illegible]1941[illegible]

1942[illegible]Stalingrad[illegible]Baku[illegible]Hammerfest[illegible]8000[illegible]——[illegible]

[illegible]



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[illegible]1945[illegible]

[illegible]1940[illegible]1941[illegible]——[illegible]

[illegible]1933[illegible]·[illegible]Victor Emmanuel[illegible]1943[illegible]·[illegible]

[illegible]“[illegible]”[illegible]

[illegible]1939[illegible]1941[illegible]

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[1] [illegible]“[illegible]”[illegible]

[2] [illegible]Geneva Convention[illegible]——[illegible]

[3] [illegible]1932—1933[illegible]240[illegible]—750[illegible]“[illegible]”[illegible]——[illegible]

[4] [illegible]“[illegible]”[illegible]——[illegible]

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[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]——[illegible]

[illegible]

[illegible]1942[illegible]El Alamein[illegible]1944[illegible]1943[illegible]1944[illegible]——[illegible]“[illegible]”[illegible]

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[illegible] [2] [illegible]

[illegible]1941[illegible]6[illegible]·[illegible]“[illegible]” [3] [illegible]

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[illegible]1944[illegible]8[illegible]9[illegible]



[illegible]5.1 1941[illegible]3[illegible]·[illegible]MartinBormann[illegible]·[illegible]Wilhelm Keitel[illegible]

[illegible]“[illegible]”[illegible]

[illegible]Treblinka death camp[illegible]Bukovina[illegible]Bessarabia[illegible]Transnistria[illegible]Odessa[illegible]Walachia[illegible]Moldavia[illegible]Transylvania[illegible]1942[illegible]8.9[illegible]5.8[illegible]1944[illegible]

1943[illegible]

[illegible]“[illegible]”[illegible]1943[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1943[illegible]9[illegible]1944[illegible]3[illegible]“[illegible]”[illegible]

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[illegible]1944[illegible]6[illegible]Pope Pius XII[illegible]

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[illegible]1943[illegible]1944[illegible]10[illegible]

[illegible]1943[illegible]1940[illegible]8[illegible]1920[illegible]*Treaty of Trianon*[illegible]1946[illegible]·[illegible]Holly Case[illegible]“[illegible]”[illegible] [6]

[illegible]·[illegible]·[illegible]Edmund Glaise-Horstenau[illegible]

[illegible]

[illegible]1941[illegible]Tito[illegible]

[illegible]——[illegible]——[illegible]·[illegible]Count Galeazzo Ciano[illegible]1942[illegible]5[illegible]11[illegible]

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1940[illegible]8[illegible]

[illegible]

[illegible]1942—1943[illegible]Don River[illegible]Marshal Ion Antonescu[illegible]100[illegible]1944[illegible]3[illegible]1944[illegible]3[illegible]1945[illegible]1[illegible]

[illegible]

[illegible]1942—1943[illegible]

1944[illegible]8[illegible]23[illegible]

[illegible]1944[illegible]8[illegible]23[illegible]

[illegible]Bucharest[illegible]1920[illegible]12[illegible]

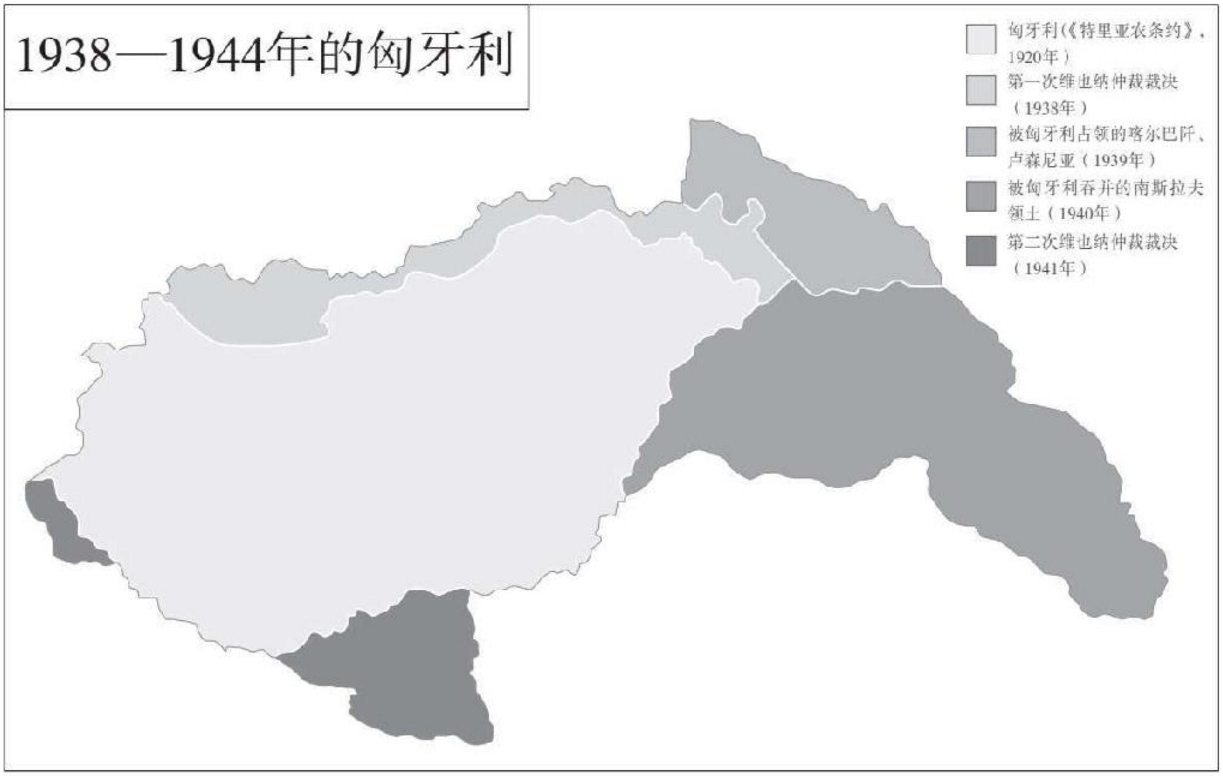
[illegible]1939—1940[illegible]

[illegible]“[illegible]”[illegible]20[illegible]90[illegible]

[illegible]1944[illegible]9[illegible]10[illegible]

[illegible]“[illegible]”[illegible]50[illegible]1946[illegible]150[illegible]

[illegible]1938—1941[illegible]——[illegible]20[illegible]



[illegible]“[illegible]”[illegible][8] 1918[illegible]1940[illegible]1941[illegible]——[illegible]

[illegible]·[illegible]“[illegible]völkische Flurbereinigung[illegible]”[9][illegible]

[illegible]·[illegible]“[illegible]”[10] [illegible]1945[illegible]1 300[illegible]



[illegible]5.2 [illegible]·[illegible]（1920—1944）[illegible]（St. Stephen）[illegible]

[illegible]“[illegible]”[illegible]

[illegible]·[illegible]·[illegible]·[illegible]·[illegible]·[illegible]“[illegible]”[illegible]·[illegible]

[illegible]

[illegible]——[illegible]·[illegible]·[illegible]·[illegible]Marshal Carl Gustaf Emil von Mannerheim[illegible]·[illegible]

[illegible]·[illegible]1943[illegible]8[illegible]·[illegible]1944[illegible]8[illegible]

[illegible]“[illegible]”[illegible]

[illegible]1944[illegible]

[illegible]1941[illegible]3[illegible]25[illegible]4[illegible]

[illegible]1943[illegible]8[illegible]9[illegible]

[illegible]1944[illegible]3[illegible]100[illegible]50[illegible]·[illegible]Randolph

Braham[illegible]——[illegible]——[illegible][11][illegible]

[illegible]“[illegible]”[illegible]1941[illegible]4[illegible]*Treaty of Eternal Friendship*[illegible]“[illegible]”[illegible]

[illegible]·[illegible]Count Pál Teleki[illegible]“[illegible]”[illegible]1944[illegible]10[illegible]“[illegible]”[illegible]

[illegible]

[illegible]·[illegible]“[illegible]”[illegible]20[illegible]20[illegible]1943[illegible]8[illegible]

[illegible]·[illegible]1947[illegible]

[illegible]·[illegible]·[illegible]

[illegible]1918[illegible]1918[illegible]11[illegible]

[illegible]“[illegible]”[illegible]1918—1919[illegible]1941[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1944—1945[illegible]

[illegible]·[illegible][12][illegible]“[illegible]”[illegible]——[illegible]20[illegible]30[illegible][13][illegible]1943[illegible]6[illegible]3[illegible]

[illegible]1942[illegible]1944[illegible]1944[illegible]8[illegible]

[illegible]·[illegible]1941—1945[illegible]1945[illegible]1957[illegible]

[illegible]“[illegible]”[illegible]1925[illegible]150[illegible]“[illegible]”[illegible]5[illegible]1943[illegible]8[illegible]“[illegible]”[illegible]·[illegible]·[illegible]

[illegible]1918[illegible]

[illegible]

[illegible]1944[illegible]3[illegible]1944[illegible]8[illegible]

[illegible]1944[illegible]1941—1944[illegible]100[illegible]

[illegible]

[illegible]“[illegible]”[illegible]

[illegible]19[illegible]

[illegible]Bismarck[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]

[illegible]

[illegible]1939[illegible]80%[illegible]“[illegible]”[illegible]1939[illegible]

[illegible]

1943

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[13] [illegible]——[illegible]

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1942[illegible]1943[illegible]1[illegible]Casablanca Conference[illegible]5 000[illegible]4 000[illegible]

1942[illegible]·[illegible]“[illegible]”

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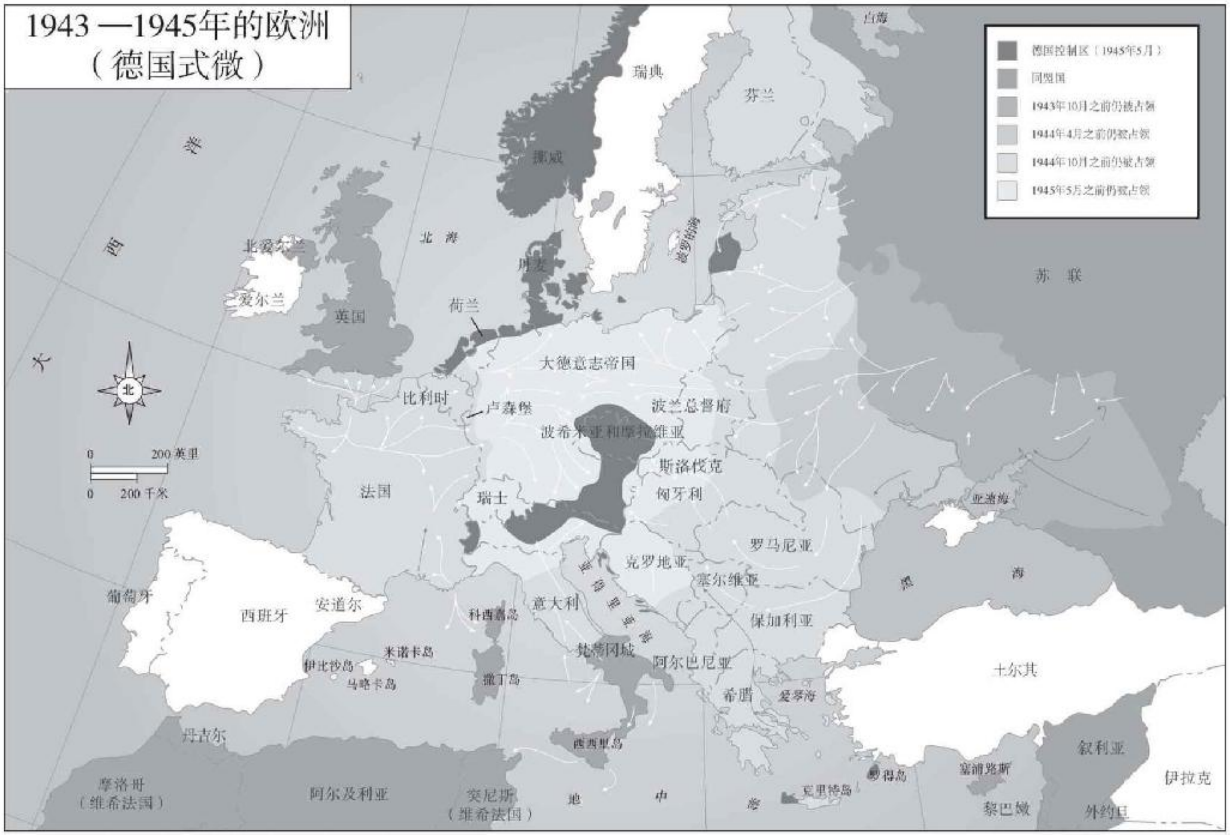
[illegible]1945[illegible]8[illegible]Guadalcanal[illegible]1942[illegible]8[illegible]1943[illegible]2[illegible]

[illegible]“[illegible]”[illegible]

[illegible]30[illegible]10[illegible]1942[illegible]8[illegible]1943[illegible]2[illegible]200[illegible]100[illegible]——[illegible]

[illegible]1943[illegible]

[illegible]——[illegible]——[illegible]


1943—1945年的欧洲
（德国式微）
德国控制区（1945年5月）
同盟国
1943年10月之前仍被占领
1944年4月之前仍被占领
1944年10月之前仍被占领
1945年5月之前仍被占领
大西洋
北海
白海
波罗的海
瑞典
芬兰
挪威
丹麦
北爱尔兰
爱尔兰
英国
荷兰
比利时
卢森堡
大德意志帝国
波兰总督府
波希米亚和摩拉维亚
斯洛伐克
匈牙利
法国
瑞士
苏联
亚速海
罗马尼亚
克罗地亚
塞尔维亚
保加利亚
阿尔巴尼亚
希腊
爱琴海
黑海
土尔其
葡萄牙
西班牙
安道尔
米诺卡岛
伊比沙岛
马略卡岛
科西嘉岛
撒丁岛
意大利
亚得里亚海
梵蒂冈城
西西里岛
丹吉尔
摩洛哥
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阿尔及利亚
突尼斯
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地中海
克里特岛
罗得岛
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黎巴嫩
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[illegible]——[illegible][1][illegible]Bielski[illegible]

[illegible]

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[illegible]1945[illegible]5[illegible]

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[illegible]Admiral Wilhelm Canaris[illegible]Sicherheitsdienst[illegible]SD[illegible]

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[illegible]1943[illegible]·[illegible]Fritz Sauckel[illegible]“[illegible]”[illegible]

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[illegible]·[illegible]Raymond Aubrac[illegible]

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[illegible]Conseil National de la Résistance[illegible]CNR[illegible]·[illegible]Forces Françaises de l’Intérieur[illegible]FFI[illegible]1944[illegible]

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[illegible]1941[illegible]

[illegible]80%[illegible]

[illegible]1941[illegible]11[illegible]1943[illegible]200[illegible]·[illegible]Ian Buruma[illegible]“[illegible]”[illegible]·[illegible]Anne Frank[illegible]Bergen-Belsen[illegible]·[illegible]Wilhelm Furtwängler[illegible]Berliner Philharmoniker[illegible] [5]

[illegible]1944[illegible]9[illegible]Arnhem[illegible]General Montgomery[illegible]Queen Wilhelmina[illegible]1944[illegible]

[illegible]——[illegible]——[illegible]King Leopold III[illegible]1944[illegible]·[illegible]·[illegible]Alexander von Falkenhausen[illegible]

[illegible]Otto[illegible]·[illegible]·[illegible]Carl Heinrich von Stülpnagel[illegible]1944[illegible]“[illegible]”[illegible]

Rexist fascists

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Gibraltar

1943 4 20

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Shetland

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[illegible]Milorg[illegible]50[illegible]Kirkens[illegible]

[illegible]50[illegible]

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[illegible]Lofoten Islands[illegible]1941[illegible]3[illegible]Enigma machine[illegible]Free Norwegian Forces[illegible]

[illegible]Bergen[illegible]Vemork[illegible]

1940 4

Nasjonal Samling “ ” 500 “ ” —— 1943

“ ” · 1943 7 800 · · Georg Ferdinand Duckwitz · Werner Best “ ” · 1948 “ ”

500 —— Theresienstadt concentration camp “ ”

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[illegible] [7] [illegible]1944[illegible]5[illegible]6[illegible]·[illegible]50[illegible]

[illegible] [8] [illegible]

[illegible]1944[illegible]1944[illegible]

[illegible]1944[illegible]10[illegible]“[illegible]”[illegible]50—100[illegible]“[illegible]”[illegible]

[illegible]

[illegible]·[illegible]1944[illegible]

[illegible]——[illegible]1939[illegible]9[illegible]1[illegible]

[illegible]1940[illegible]1941[illegible]

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[1] [illegible]L’armée des ombres[illegible]1969[illegible]·[illegible]“[illegible]”[illegible]

[2] [illegible]·[illegible]——[illegible]“24[illegible]”[illegible]1994[illegible]24[illegible]“[illegible]”[illegible]

[3] [illegible]

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[illegible]1942[illegible]

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1943[illegible]7[illegible]“[illegible]”[illegible]5[illegible]

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[illegible]——[illegible]1939[illegible]——[illegible]

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[illegible]1944[illegible] [5] [illegible]Jedwabne[illegible] [6] [illegible]——[illegible]

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[illegible]·[illegible]Jan Karski[illegible]·[illegible]Claude Lanzmann[illegible]1985[illegible]*Shoah*[illegible]

[illegible]1942[illegible]*Story of a Secret State* [illegible][8]

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[illegible]1943[illegible]4—5[illegible]1944[illegible]8—10[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1952[illegible]



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[illegible]1944[illegible]500[illegible]100[illegible]——[illegible]——[illegible]“[illegible]”[illegible]



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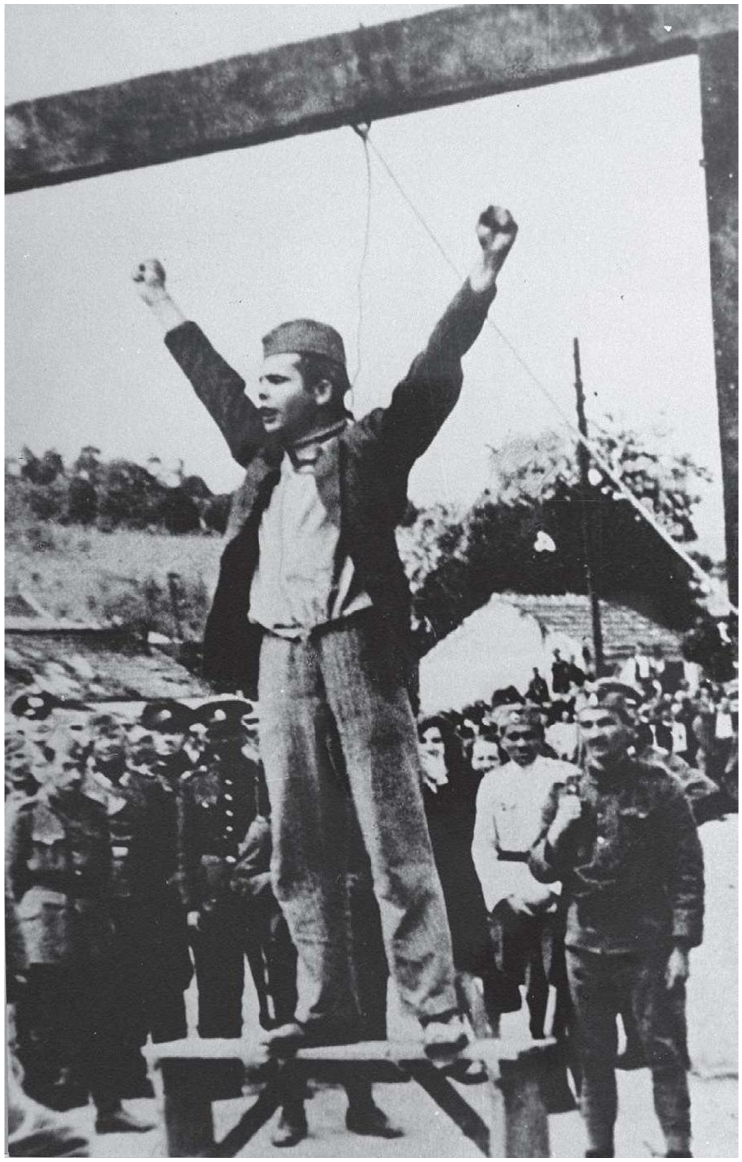
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[illegible]1943[illegible]9[illegible]1944[illegible]1944[illegible]8[illegible]23[illegible]

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[illegible]7.3 [illegible]·[illegible]Stjepan Filipović[illegible]
[illegible]·[illegible]Milan Nedic[illegible]

[illegible]Gorgopotamos[illegible]

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[illegible]Thessaloniki[illegible]1942[illegible]11[illegible]
[illegible]·[illegible]Colonel Napoleon Zervas[illegible]EDES[illegible]

[illegible]·[illegible]Aris Velouchiotis[illegible]EAM[illegible]ELAS[illegible]12[illegible]·“[illegible]”·[illegible]Lieutenant Colonel Edmund “Eddie”Myers[illegible]·“[illegible]”·[illegible]Major Chris “Monty”Woodhouse DSO[illegible]150[illegible]80[illegible]4[illegible]4[illegible]16[illegible]

[illegible]

[illegible]Harling Operation[illegible]General Rommel[illegible]General Montgomery[illegible]

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[illegible]Klausenburg[illegible]Kolozsvár[illegible]1918[illegible]Cluj[illegible]Cluj-Napoca[illegible]11[illegible]16[illegible]1867[illegible]“[illegible]”[illegible]1940[illegible]“[illegible]”[illegible]

1940[illegible]/[illegible]“[illegible]”[illegible]1944[illegible]——[illegible]——[illegible]“[illegible]”[illegible]

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[illegible]1944[illegible]3[illegible]Rasella[illegible]Ardeatine Cave[illegible]335[illegible]1944[illegible]6[illegible]Oradour-surGlane[illegible]1941[illegible]Bachka[illegible]3 000[illegible][1][illegible]“[illegible]”[illegible]

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1944[illegible]3[illegible]23[illegible]33[illegible][3][illegible]16[illegible]

[illegible]·[illegible]Generalfieldmarshall Albert Kesselring[illegible]10[illegible]

[illegible]10[illegible]·[illegible]4[illegible]78[illegible]——[illegible]Pope Pius XII[illegible]335[illegible]

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[illegible]·[illegible]Erich Priebke[illegible]2013[illegible]100[illegible][4][illegible]1995[illegible]5[illegible]33[illegible]330[illegible]335[illegible]5[illegible]5[illegible]

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[illegible]·[illegible]Carla Capponi[illegible]Elena[illegible]·[illegible]RosarioBentivegna[illegible]Paolo[illegible]“[illegible]”[illegible]

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[illegible]“[illegible]”[illegible]

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1945 2 Yalta Conference 1945 6 Potsdam Conference 1945—1946

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1945—1946[illegible]23[illegible]12[illegible]200[illegible]·[illegible]

[illegible]·[illegible]·[illegible]·[illegible]1[illegible]4[illegible]1945[illegible]2[illegible]2[illegible]24[illegible]68[illegible]



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[illegible]1944[illegible]10[illegible]15[illegible]·[illegible]50[illegible]

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第二次世界大战后的欧洲
北约国家
中立国
苏联及其盟友
0
500 英里
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冰岛
挪威海
北大西洋
瑞典
芬兰
赫尔辛基
列宁格勒
挪威
北 海
丹麦
波罗的海
苏 联
莫斯科
英国
爱尔兰
荷兰
东柏林
华沙
伦敦
基辅
东德
波兰
布鲁塞尔
波恩
比利时
布拉格
北
巴黎
捷克斯洛伐克
卢森堡
西德
奥地利
布达佩斯
匈牙利
罗马尼亚
瑞士
法国
布加勒斯特
黑海
贝尔格莱德
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葡萄牙
意大利
西班牙
阿尔巴尼亚
土尔其
马德里
希腊
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地 中 海
摩洛哥
阿尔及利亚
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1949 · László Rajk CIC Counter Intelligence Corps CIA · János Kádár

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[illegible]·[illegible]Klaus Barbie[illegible]·[illegible]Paul Touvier[illegible]·[illegible]René Bousquet[illegible]·[illegible]·[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]rat line[illegible] [4] [illegible]·[illegible]Juan Perón[illegible]·[illegible]Che Guevara[illegible]1983[illegible]·[illegible]Jacques

Vergès[illegible]1987[illegible]78[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]·[illegible]1994[illegible]·[illegible]“[illegible]”[illegible]·[illegible]Georges Pompidou[illegible]1971[illegible]1989[illegible]

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[illegible]·[illegible]1940[illegible]·[illegible]·[illegible]Marcel Déat[illegible]·[illegible]Jacques Doriot[illegible]1942[illegible]·[illegible]Carl Oberg[illegible]1942[illegible]“[illegible]”[illegible]Rafle du Vel’d’Hiv[illegible]1.3[illegible]·[illegible]“[illegible]”[illegible]

1943[illegible]12[illegible]“[illegible]”[illegible]Legion of Honor[illegible]·[illegible]——[illegible]1991[illegible]1993[illegible]·[illegible]·[illegible]Serge Klarsfeld[illegible]·[illegible]Beate Klarsfeld[illegible]

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[illegible]·[illegible]1961[illegible]·[illegible]（Hannah Arendt）[illegible]*the Banality of Evil*（1963）[illegible]

[illegible]（grande école）[5][illegible]1940[illegible]1944[illegible]1 600[illegible]“[illegible]”[illegible]1961[illegible]12[illegible]14[illegible]1997[illegible]10[illegible]3[illegible]2007[illegible]96[illegible]

20[illegible]90[illegible]“[illegible]”[illegible]·[illegible]（Nicolae Ceausescu）[illegible]（Elena）[illegible]1953[illegible]1970[illegible]1989—1990[illegible]

[illegible]2014[illegible]60[illegible]2014[illegible]5[illegible]·[illegible]（Béla Biszku）[illegible]1956[illegible]

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[illegible]·[illegible]Robert Schuman[illegible]·[illegible]Jean Monnet[illegible]·[illegible]theodor Heuss[illegible]·[illegible]Konrad Adenauer[illegible]·[illegible]Clement Attlee[illegible]·[illegible]Ernest Bevin[illegible]·[illegible]Alcide de Gasperi[illegible]·[illegible]Paul-Henri Spaak[illegible]Schuman Plan[illegible]Coal and Steel Community[illegible]Common Market[illegible]NATO[illegible]European Parliament[illegible]European Monetary Agreement[illegible]Schengen Area Agreement[illegible]Euro[illegible]

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The Tin Drum . Directed by Volker Schlondorff. Germany, 1979.

Triumph of the Will . Directed by Leni Riefenstahl. Germany, 1935.

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Au revoir les enfants . Directed by Louis Malle. France, 1987.

Divided We Fall . Directed by Jan Høebejk. Czechoslovakia, 2001.

The Garden of the Finzi-Continis . Directed by Vittorio De Sica. Italy, 1971.Gruber’s Journey. Directed by Radu Gabria. Romania, 2008.

The Pianist . Directed by Roman Polanski. Multinational, 2002.

The Revolt of Job . Directed by Imre Gyönggyössy. Hungary, 1983.

The Round Up . Directed by Roselyne Bosch. France, 2010.

Schindler's List . Directed by Steven Spielberg. United States, 1994.Shoah. Directed by Claude Lanzmann. France, 1985.

Shop on Main Street . Directed by Ján Kadár. Czechoslovakia, 1965.Sunshine. Directed by István Szabó. Hungary, 2000.

The Wannsee Conference . Directed by Heinz Schirk. Germany, 1984.

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Closely Watched Trains . Directed by Jiřy Menzel. Czechoslovakia, 1966.Divided We Fall. Directed by Jan Høebejk. Czechoslovakia, 2000.

Shop on Main Street . Directed by Ján Kadár. Slovakia, 1965.

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Army of Crime . Directed by Robert Guédiguian. France, 2009.

Army of Shadows . Directed by Jean-Pierre Melville. France, 1969.Battle of the Rails. Directed by René Clément. France, 1946.

Casablanca . Directed by Michael Curtiz. United States, 1942.

Lacombe, Lucien . Directed by Louis Malle. France, 1974.

The Last Metro . Directed by François Truffaut. France, 1980.

Lucie Aubrac . Directed by Claude Bern. France, 1997.

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The Sorrow and the Pity . Directed by Marcel Ophüls. Switzerland, 1970.The Train.Directed by John Frankenheimer. France and Italy, 1964.

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Sophie Scholl: The Final Days . Directed by Marc Rothemund. Germany, 2005.Stauffenberg. Television film directed by Jo Baier. Germany and Austria, 2004.

Swing Kids. Directed by Thomas Carter.Germany, 1993.

Taking Sides . Director István Szabó. Multinational, 2001.

Valkyrie . Directed by Bryan Singer. Germany and the United States, 2008.

The White Rose . Directed by Michael Verhoeven. Germany, 1982.

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Charlotte Grey . Directed by Gillian Armstrong. Britain, 2001.

Island at War . Television series directed by Peter Lyndon. Britain, 2004.Odette. Directed by Herbert Wilcox. Britain, 1950.

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Captain Corelli's Mandolin . Directed by John Madden. Britain, 2001.

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General Della Rovere . Directed by Roberto Rossellini. Italy, 1959.

Life Is Beautiful . Directed by Roberto Benigni. Italy, 1997.

Rome, Open City . Directed by Roberto Rossellini. Italy, 1945.

Seven Beauties . Directed by Lina Wertmuller. Italy, 1976.

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The Silver Fleet . Directed by Vernon Sewell. United States, 1943.

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Heroes of Telemark . Directed by Anthony Mann. United States, 1965.

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A Generation (1954), Kanal(1956), and Ashes and Diamonds(1958). Trilogy directed by Andrzej Wajda. Poland.

Katyń. Directed by Andrzej Wajda. Poland, 2007.

To Be or Not to Be . Directed by Ernst Lubitsch. United States, 1942.

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Come and See . Directed by Elem Kimov. Soviet Union, 1985.

Days of Glory . Directed by Jacques Tourneur. United States, 1944.

Defiance . Directed by Edward Zwich. United States, 2008.

The North Star . Directed by Lewis Miles. United States, 1943.

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Chetniks . Directed by Lewis King. United States, 1943.

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Judgment at Nuremberg . Directed by Stanley Kramer. United States, 1961.

Man of Marble . Directed by Andrzej Wajda. Poland, 1977.

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The Third Man . Directed by Carol Reed. Britain, 1949.

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ALFRED W. CROSBY, JR.

The Columbian Exchange

哥伦布大交换

Biological and Cultural Consequences of 1492

1492年以后的生物影响和文化冲击

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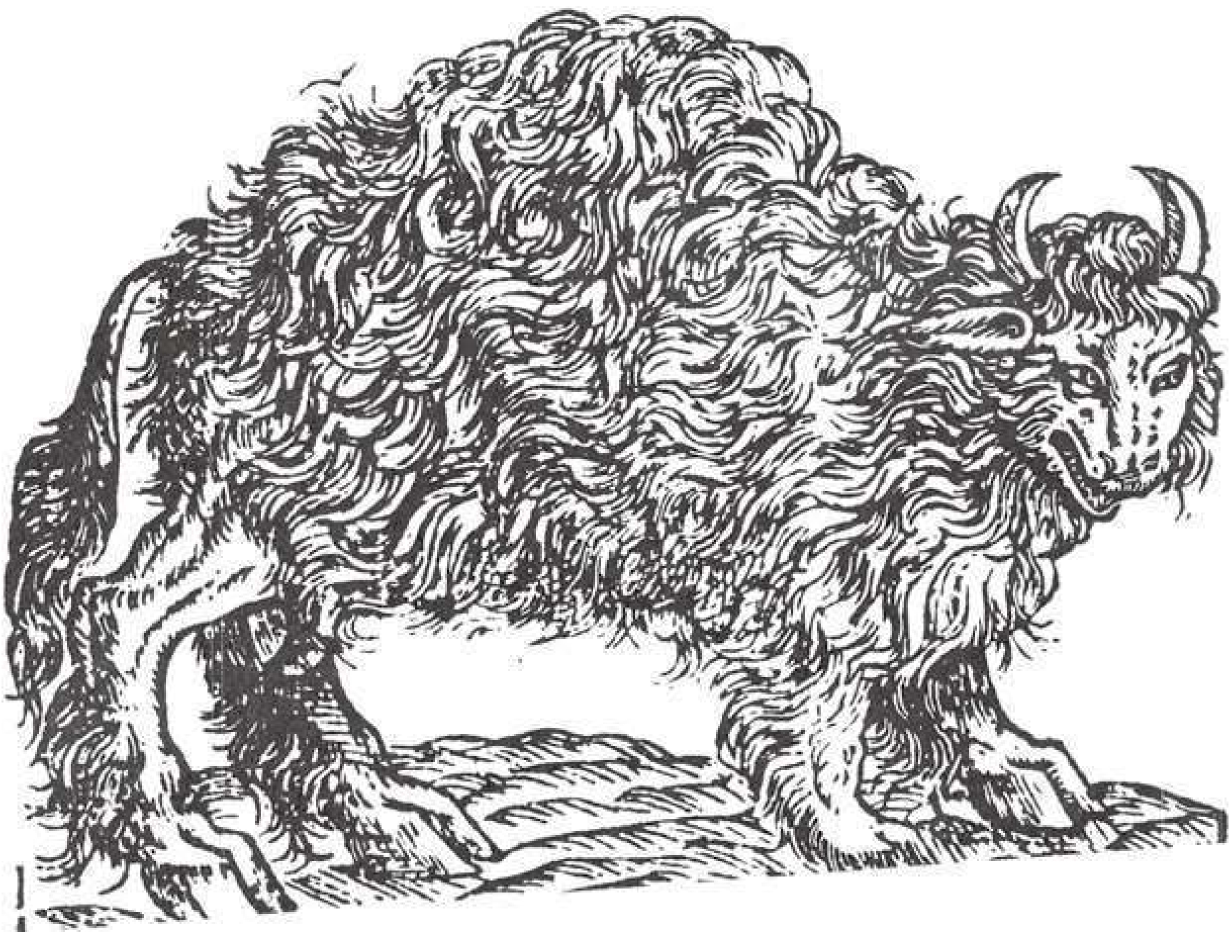
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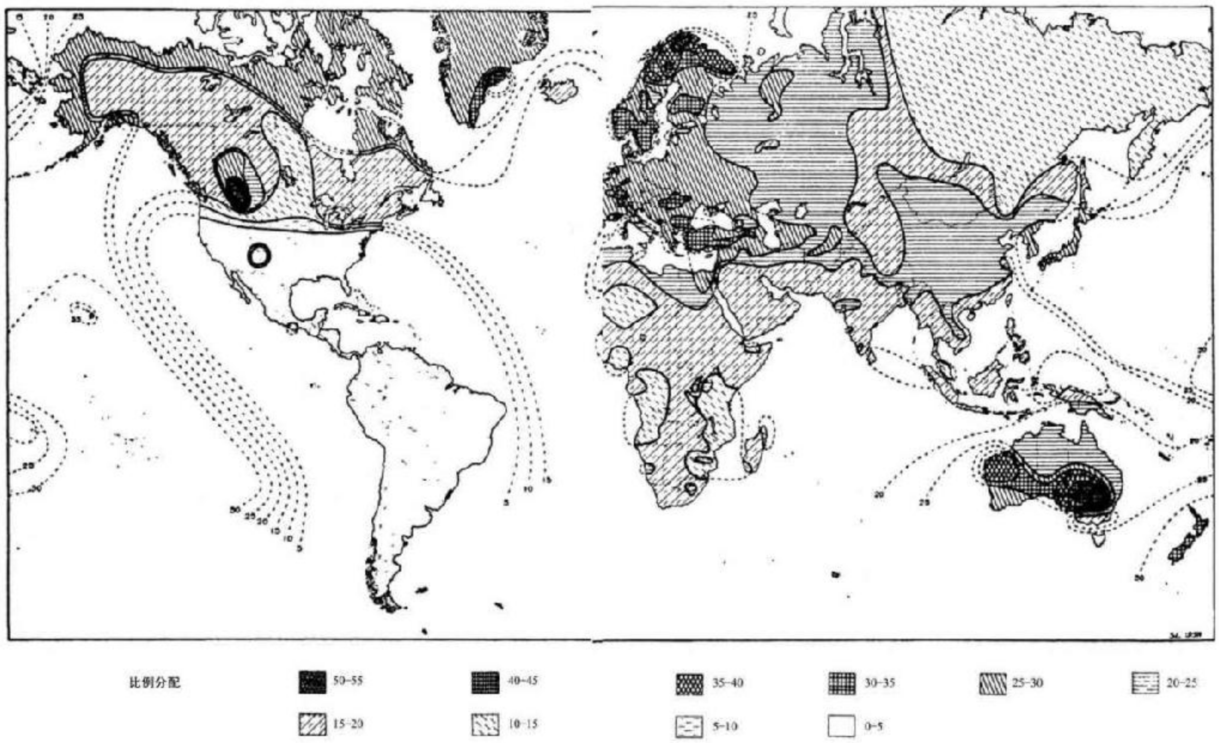
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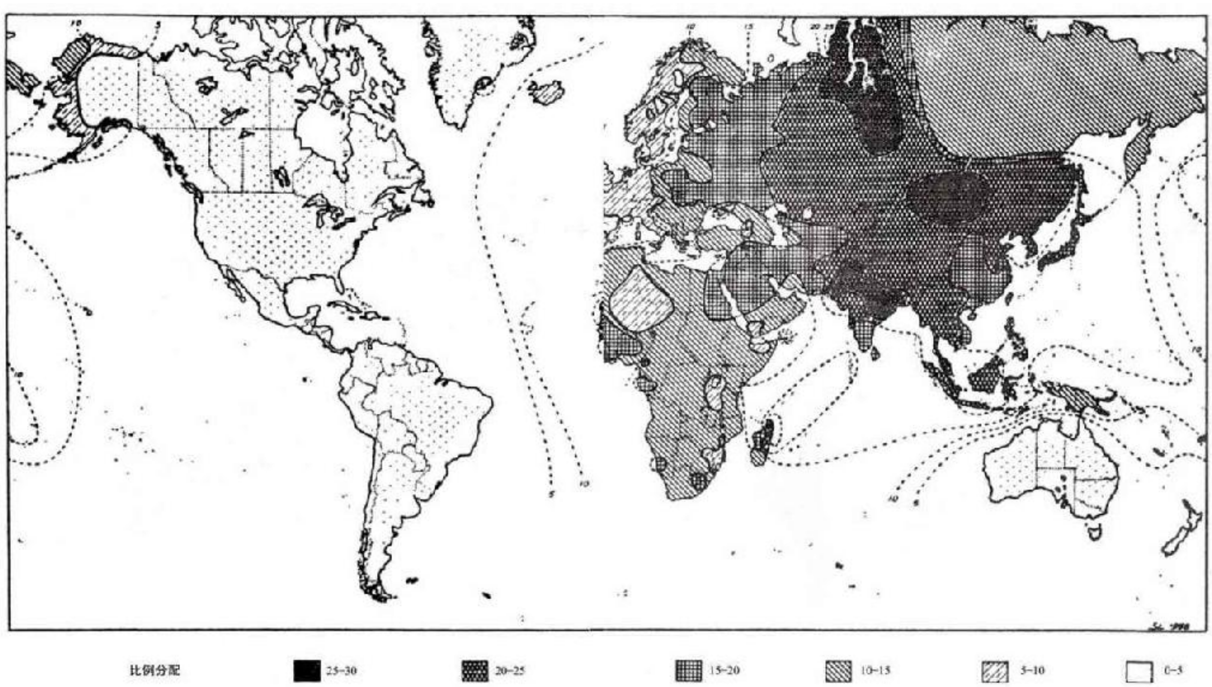
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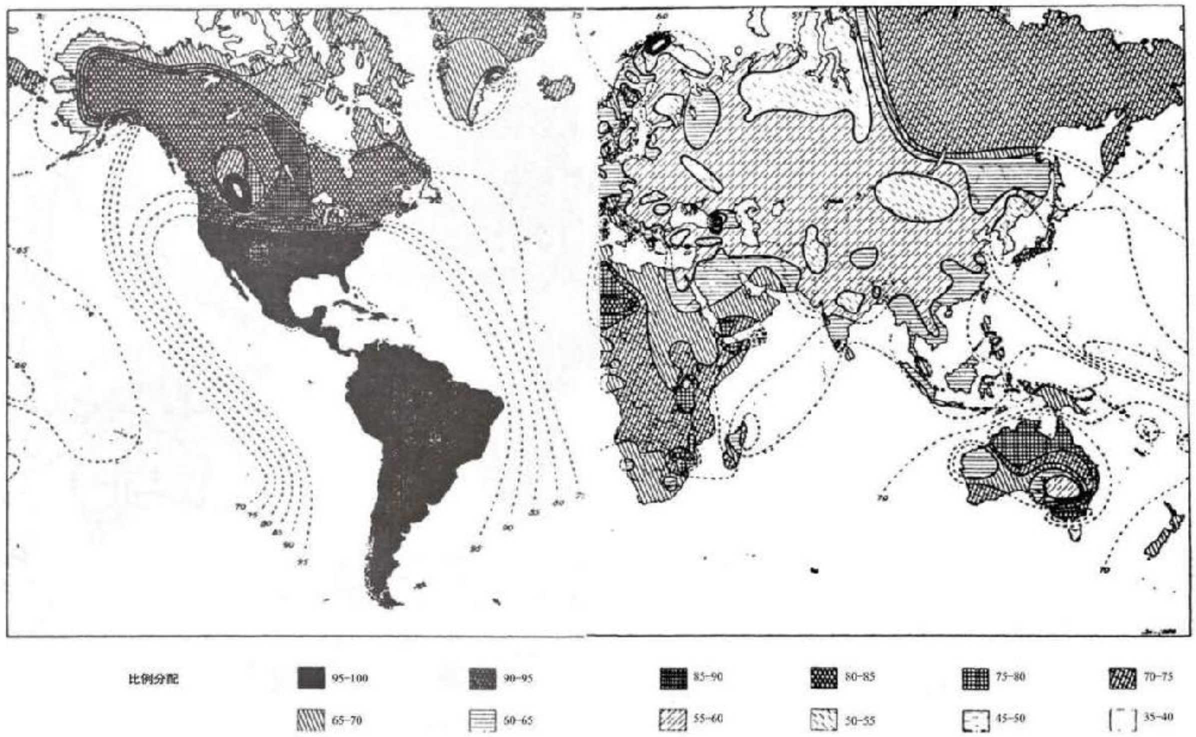
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□1—3 □□□□□□□A□□□□□□□□□
Courtesy Blackwell Scientific Publications LTD.



□1—4 □□□□□□□B□□□□□□□□□
Courtesy Blackwell Scientific Publications LTD.



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Courtesy Blackwell Scientific Publications LTD.

[illegible]1492[illegible]400[illegible]20[illegible]1.4[illegible]1.5[illegible]1000[illegible]

[illegible]1815[illegible]17[illegible]17[illegible]3[illegible]8 000[illegible]1492[illegible]8 000[illegible]8 000[illegible]

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[2] [illegible]2[illegible]1.52[illegible]——[illegible]

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1587[illegible]Roanoke Island[illegible]·[illegible]Thomas Hariot[illegible]——

> [illegible]20[illegible]40[illegible]60[illegible]……[illegible]

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1616—1617[illegible]·[illegible]Cotton Mather[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]“[illegible]”[illegible]1622[illegible]——

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[illegible]Aleuts[illegible]Tlingits[illegible]

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1518□12□□1519□1□□□□□□□□□□□□□□□□□□·□□□□□□□□□□□Castile□□□□□□□□□□□□□□□□□□□□□□□□□□□1/3□□1/2□□□□□□·□□□□□□□□□“□□□□□□□□□□□□□□□□”□

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Courtesy University of California Press

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[illegible]16[illegible]Landa[illegible]16[illegible]20[illegible]“[illegible]”[illegible]*Book of Chilam Balam of Chumayel* [illegible]“[illegible]”[illegible]16[illegible]20[illegible]1511[illegible]1517[illegible]Cordoba[illegible]1518[illegible]1519[illegible]

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[5] [illegible]Tenochtitlán[illegible]——[illegible]

[6] [illegible]——[illegible]

[7] [illegible]·[illegible]Garcilaso de la Vega[illegible]——[illegible]

[8] [illegible]——[illegible]

[9] [illegible]Tepeilhuitl[illegible]10[illegible]11[illegible]10[illegible]30[illegible]——[illegible]

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1493[illegible][2][illegible]17[illegible]1200[illegible]——[illegible]“[illegible]3[illegible]25[illegible]7[illegible]7[illegible]25[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1494[illegible]1494[illegible]

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1614[illegible]20[illegible]“[illegible]”[illegible]20[illegible]

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[illegible]——[illegible]——[illegible]

[illegible]16[illegible]16[illegible]——[illegible]——[illegible]1492—1600[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1492[illegible]20[illegible]

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[illegible]1493[illegible]“[illegible]”[illegible]

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> [illegible]San Gabriel[illegible]Martín Garcia[illegible]

16[illegible]50[illegible]Sable Island[illegible]30[illegible]“[illegible]”[illegible]1609[illegible]10[illegible]“[illegible]”[illegible]Olive Blossom[illegible]Barbados[illegible]17[illegible]

[illegible]De Soto[illegible]1539[illegible]13[illegible]3[illegible]13[illegible]700[illegible]1540[illegible]Land of Cinnamon[illegible]2000[illegible]

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“Caballero”□□□

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800 1 000 16 20 500 8000 1587 35 444 “ ” 16 60 64 72

1521 10 1532—1538 75% 1568 2000 Vera Cruz “ ”

16 1579 15 2 1586 3.3 4.2 1594 15 16 Champlain “ ”

1587 64 350

18 19

600 200 “ ” 1548 16 1600 14

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18 —— Blackfoot Arapaho Cheyenne Crow Comanche 19 · George Catlin ——

4

Guaná Mbayá

16 Chichimecs 17 19

1700 Platte River 1751 1784 Saskatchewan River

[illegible]——[illegible]——[illegible]19[illegible]

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[illegible]“[illegible]”[illegible]——[illegible]1600[illegible]

[illegible]——[illegible]——[illegible]1492[illegible]1600[illegible]

[illegible]18[illegible]

[illegible]

[illegible]“[illegible]”

[illegible]16[illegible]17[illegible]——[illegible]17[illegible]São Francisco River[illegible]1700[illegible]1500[illegible]

[illegible]——[illegible]——[illegible]

[illegible]

[illegible]·[illegible]——[illegible]16[illegible]70[illegible]16[illegible]80[illegible]Alonso Ponce[illegible]Sinaloa[illegible]

[illegible]——[illegible]16[illegible]17[illegible]19[illegible]30[illegible]“[illegible]”[illegible]——[illegible]

[illegible]1574[illegible]·[illegible]Martin Eriques[illegible]“[illegible]”

[illegible]

[1] [illegible]Espa~nola[illegible]——[illegible]

[2] [illegible]Navidad[illegible]——[illegible]

[3] 10[illegible]“[illegible]”[illegible]156200[illegible]35.239[illegible]——[illegible]

[4] [illegible]New Granada[illegible]——[illegible]

[5] 1[illegible]4.8[illegible]——[illegible]

[6] [illegible]·[illegible]·[illegible]·[illegible]——[illegible]

[7] [illegible]——[illegible]

[illegible]

[illegible]

[illegible]1500[illegible]……[illegible]“[illegible]”[illegible]*Colloquies* [illegible]“[illegible]”

[illegible]“[illegible]”[illegible]15[illegible]

[illegible]“[illegible]”[illegible]15[illegible]10[illegible]“1493[illegible]”[illegible]“[illegible]”[illegible]1493[illegible]“[illegible]”[illegible]

[illegible]16[illegible]10[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]1493[illegible]1492[illegible]

[illegible]



[illegible]4—1 [illegible]1496[illegible]

[illegible]

[illegible]16[illegible]——[illegible]——[illegible]

[illegible]“[illegible]”[illegible]19[illegible]16[illegible]20[illegible]“syphilis” [1] [illegible]



[illegible]4—2 [illegible]
Courtesy U.S. Department of Health, Education,and Welfare

[illegible]15[illegible]16[illegible]“[illegible]”[illegible]——

[illegible]

[illegible]“[illegible]7[illegible]”

[illegible]1500[illegible]“[illegible]6000[illegible]3[illegible]”[illegible]1493[illegible]

[illegible]“[illegible]”[illegible]15[illegible]90[illegible]“[illegible]”[illegible]15[illegible]90[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]1493[illegible]

[illegible]16[illegible]15[illegible]90[illegible]16[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]1492[illegible]1493[illegible]1494[illegible]1495[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]1493[illegible]

1494[illegible]——[illegible]400[illegible]

[illegible]“[illegible]”[illegible]1498[illegible]“[illegible]160[illegible]”[illegible]“[illegible]”[illegible]1498[illegible]

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15[illegible]90[illegible]1493[illegible]“[illegible]”1513[illegible]·[illegible]

[illegible]·[illegible]

“[illegible]”[illegible]1539[illegible]1492[illegible]“[illegible]”[illegible]

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[illegible]18[illegible]19[illegible]50[illegible]16[illegible]

[illegible]“[illegible]”[illegible]·[illegible]·[illegible]1493[illegible]“[illegible]”[illegible]1492[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]——[illegible]——[illegible]“[illegible]”[illegible]

[illegible]bejel[illegible]pinta[illegible]irkinja[illegible]

[illegible]——[illegible]“[illegible]……[illegible]1493[illegible]”

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]

[illegible]“[illegible]”[illegible]16[illegible]“pians”[illegible]——[illegible]17[illegible]1730[illegible]*Every Man His Own Doctor* [illegible]“[illegible]”[illegible]*Poor Planter's Physician* [illegible]“[illegible]”

[illegible]——[illegible]——[illegible]

[illegible]“[illegible]”[illegible]

[illegible]

[illegible]15[illegible]90[illegible]

[illegible]15[illegible]16[illegible]“[illegible]”[illegible]15[illegible]90[illegible]500[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1492[illegible]

“[illegible]”[illegible]“[illegible]”[illegible]1492[illegible]1492[illegible]“[illegible]”[illegible]

[illegible]15[illegible]90[illegible]

[illegible]

[illegible]19[illegible]90[illegible]20[illegible]30[illegible]——[illegible]——[illegible]

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[illegible]15[illegible]·[illegible]

[illegible]“[illegible]”[illegible]

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[illegible]

[illegible]15[illegible]90[illegible]1494[illegible]5[illegible]——[illegible]

[illegible]——[illegible]“[illegible]3[illegible]2[illegible]”

[illegible]1495[illegible]11[illegible]

[illegible]1495[illegible]“[illegible]”[illegible]1496[illegible]1499[illegible]

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[illegible]“[illegible]”[illegible]1498[illegible]1498[illegible]1505[illegible]10[illegible]

[illegible]“[illegible]”[illegible]16[illegible]

[illegible]200[illegible]——

1494—1516[illegible]1496[illegible]

1516—1526[illegible]

1526—1540[illegible]

1540—1560[illegible]“[illegible]”[illegible]

1560—1610[illegible]

[illegible]17[illegible]——[illegible]——[illegible]

[illegible]16[illegible]“[illegible]”[illegible]——[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]3[illegible]……”



[illegible]4—3 [illegible]16[illegible]
Courtesy The Wellcome Trustees

[illegible]16[illegible]400[illegible]16[illegible]

[illegible]16[illegible]“[illegible]”“[illegible]”[illegible]“[illegible]”

[illegible]“[illegible]” [2] [illegible]——[illegible]

[illegible]——[illegible]16[illegible]20[illegible]“[illegible]”[illegible]——[illegible]——[illegible]——[illegible]

[illegible]“[illegible]”[illegible]

[illegible]16[illegible]30[illegible]——[illegible]1932[illegible]——[illegible]

[illegible]——[illegible]“[illegible]”——

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[illegible]16[illegible]80[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“[illegible]3[illegible]”

[illegible]——[illegible]“[illegible]”。

[illegible]——[illegible]——[illegible]16[illegible]·[illegible]“[illegible]”[illegible]“[illegible]25[illegible]”[illegible]——

> [illegible]……[illegible]……[illegible]……[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[3][illegible]“[illegible]”

[illegible]“[illegible]”[illegible]16[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1500[illegible][4][illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]Bubukles[illegible]“carbunkles”[illegible]“bubos”[illegible]“[illegible]”[illegible]

[illegible]1529[illegible]——[illegible]——[illegible]“[illegible]……[illegible]”[illegible]

[illegible]——

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]16[illegible]“[illegible]”[illegible]

16[illegible]*De Morbo Gallico*[illegible]1564[illegible]

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[1] [illegible]Syphilus[illegible]——[illegible]

[2] [illegible]quacksilver[illegible]“[illegible]”[illegible]quicksilver[illegible]quacksalver[illegible]——[illegible]

[3] [illegible]——[illegible]

[4] [illegible]Borgia[illegible]——[illegible]

年份	1650	1750	1800	1850	1900	1950
非洲	100	95	90	95	120	198
亚洲（苏联除外）	327	475	597	741	915	1320
拉丁美洲	12	11	19	33	63	162
北美洲	1	1	6	26	81	168
欧洲与苏联	103	144	192	274	423	593
大洋洲	2	2	2	2	6	13
总计	545	728	906	1171	1608	2454

[illegible]“[illegible]”[illegible]

[illegible]300[illegible]1650[illegible]19—20[illegible]——[illegible]——[illegible]

[illegible]300[illegible]150[illegible]

1800[illegible]18[illegible]“[illegible]”

[illegible]

[illegible]

[illegible]——[illegible]——[illegible]

[illegible]——[illegible]——[illegible]

[illegible]16[illegible]1492[illegible]“[illegible]”[illegible]1492[illegible]

[illegible]Vavilov[illegible]640[illegible]500[illegible]100[illegible]



5—1 16

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玉米	南瓜
豆类（菜豆类及其他）	番木瓜
番石榴	鳄梨
花生	菠萝
马铃薯	番茄
甘薯	辣椒
树薯（亦称木薯）	可可
美国南瓜	

[illegible]

[illegible]5[illegible]400[illegible]5[illegible]

[illegible]——[illegible]20[illegible]

[illegible]

[illegible]1[illegible]

[illegible]3[illegible]4[illegible]1962—1963[illegible]1 340[illegible]——[illegible]300[illegible]

[illegible]——[illegible]——[illegible]——[illegible]“[illegible]”[illegible]“[illegible]”[illegible][1][illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]

[illegible]

[illegible]

[illegible]5[illegible]12[illegible]18[illegible]2[illegible]6[illegible]1[illegible]5[illegible]400[illegible]Barlow[illegible]——

[illegible]

[illegible]7 000[illegible]5[illegible]

[illegible]20[illegible]200[illegible]30°[illegible]30°[illegible]

[illegible]2[illegible]

[illegible]2 [illegible]/[illegible]

美洲主要作物		旧世界主要作物	
玉米	7.3	稻米	7.3
马铃薯	7.5	小麦	4.2
甘薯、山药	7.1	大麦	5.1
树薯	9.9	燕麦	5.5

*[illegible]

[illegible]

[illegible] 1492 [illegible] 18 [illegible] 80 [illegible]——



[illegible]16[illegible]18[illegible]1542[illegible]Tragus[illegible]Fuchs[illegible]1572[illegible]Googe[illegible]“[illegible]”[illegible]17[illegible]1678[illegible]·[illegible]“[illegible]……[illegible]”


TRESTVRII CIVIS ET CHIRVR
GI LONDINENSIS ANNO
SVÆ 53
EFFIGIES IOANNIS GERAR

[illegible]5—3 [illegible]1597[illegible]

[illegible]18[illegible]“[illegible]”[illegible]

[illegible]16[illegible]50[illegible]18[illegible]·[illegible]John Gerard[illegible]1597[illegible]——

[illegible]

[illegible]

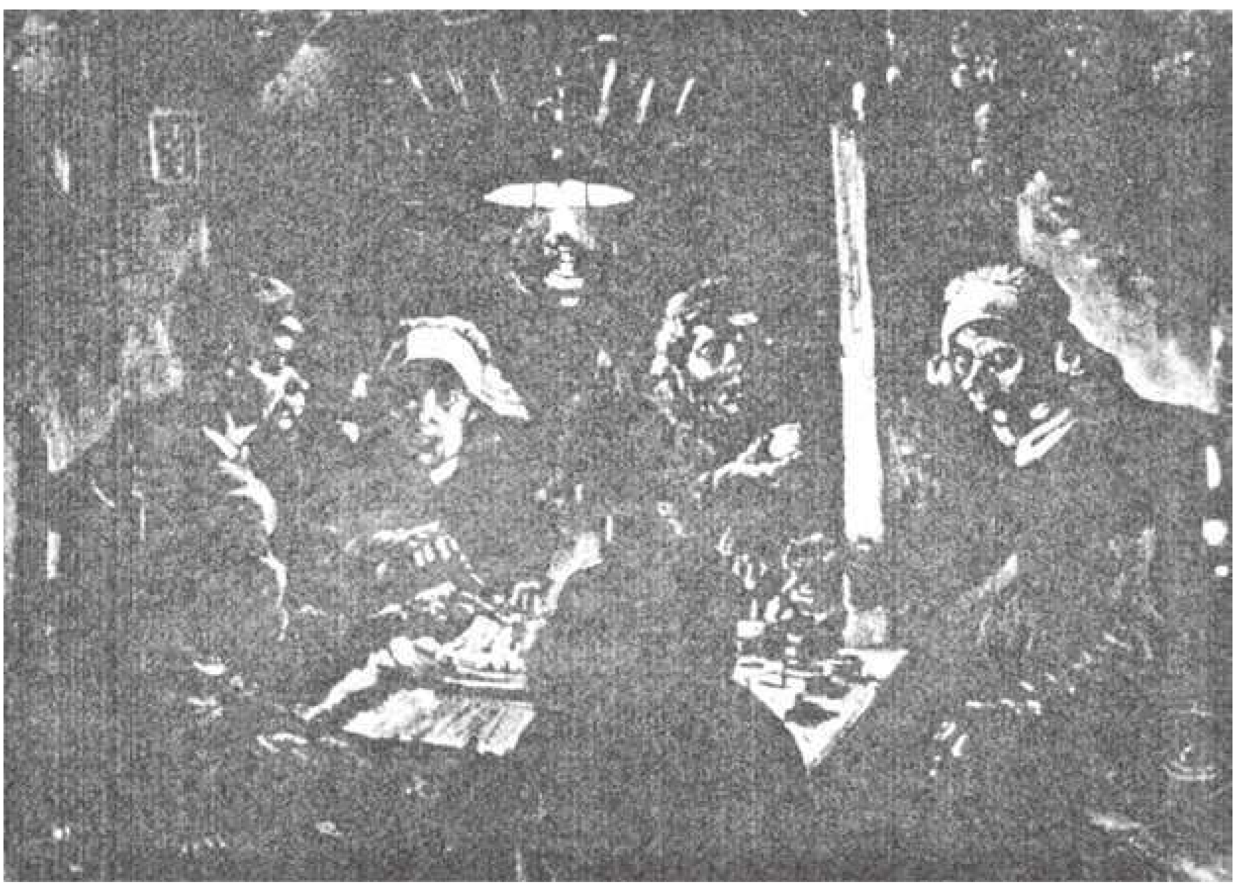
[illegible]400[illegible]16[illegible]17[illegible]·[illegible]17[illegible]70[illegible]“[illegible]‘[illegible]’[illegible]”[illegible]18[illegible]“[illegible]”[illegible]100[illegible]“[illegible]”[illegible]17[illegible]18[illegible]——[illegible]——[illegible]18[illegible]80[illegible]“polenta”[illegible]17[illegible]18[illegible]

[illegible]18[illegible]18[illegible]18[illegible]19[illegible]18[illegible]19[illegible]1800[illegible]19[illegible]

[illegible]——[illegible]——[illegible]

[illegible]18[illegible]19[illegible]“mamaliga”[illegible]——“[illegible]”[illegible]

[illegible]1900[illegible]19[illegible]“[illegible]”[illegible]Halpern[illegible]*A Serbian Village* [illegible]



[illegible]5—4 [illegible]·[illegible]
Courtesy Amsterdam, Van Gogh Museum[illegible]Vincent Van Gogh Foundation[illegible]

[illegible]200[illegible]

16[illegible]“[illegible]”[illegible]“[illegible]”

[illegible]18[illegible]“[illegible]‘[illegible]’[illegible]”

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]16[illegible]“[illegible]”[illegible]1724[illegible]“[illegible]”[illegible]10[illegible]1754[illegible]320[illegible]1845[illegible]820[illegible]1846[illegible]175[illegible]



[illegible]19[illegible]“[illegible]”[illegible]

[illegible]19[illegible]1765[illegible]1838[illegible]1839[illegible]1900[illegible]19[illegible]40[illegible]400%[illegible]70%[illegible]

[illegible]20[illegible]16[illegible]——

[illegible]

[illegible]——[illegible]640[illegible]50[illegible]——[illegible]

[illegible]5%—6%[illegible]25%[illegible]——[illegible]—50%[illegible]

[illegible]

[illegible]16[illegible]16[illegible]17[illegible]Dapper[illegible]

[illegible]“[illegible]”[illegible]17[illegible]

[illegible]1900[illegible]19[illegible]“mealies”[illegible]70%[illegible]20[illegible]

[illegible]100[illegible]20[illegible]

[illegible]16[illegible]18[illegible]1850[illegible]1900[illegible]

1850[illegible]1[illegible]1850[illegible]——[illegible]

[illegible]16[illegible]“granoturco”“blé de Turquie”“trigo de Turquia” [2] [illegible]Turkisher Korn[illegible]Turkie wheat[illegible]——“Mecca”“Makka”“Makkaim”“makai”“mungari” [3] ——[illegible]18[illegible]“[illegible]

[illegible]”[illegible]“[illegible]”[illegible]——[illegible]

[illegible]“[illegible]”[illegible]16[illegible]70[illegible]“[illegible][4][illegible]”[illegible]1574[illegible]

[illegible]1600[illegible]16[illegible]17[illegible]18[illegible]

[illegible]16[illegible]18[illegible]

19[illegible]75[illegible]1882[illegible]670[illegible]1907[illegible]1 120[illegible]1935[illegible]1 600[illegible]1964[illegible]2 890[illegible]

[illegible]“[illegible]”[illegible]

[illegible]98%[illegible]“[illegible]”[illegible]

[illegible]“[illegible]

[illegible]”[illegible]20[illegible]

[illegible]18[illegible]1600[illegible]1[illegible]1.25[illegible]1800[illegible]1.2[illegible]1845[illegible]1.3[illegible]1855[illegible]1.75[illegible]1867[illegible]1.94[illegible]1871[illegible]2.55[illegible]1964[illegible] [5] [illegible]5[illegible]

[illegible]

[illegible]16[illegible]18[illegible]19[illegible]20[illegible]

19[illegible]“[illegible]”[illegible]1800[illegible]——[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]20[illegible]

[illegible]1850[illegible]20[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”

[illegible]Travancore[illegible]Cochin[illegible]1 160[illegible]550[illegible]500[illegible]

[illegible]1963[illegible]530[illegible]

[illegible]17[illegible]18[illegible]19[illegible]“[illegible]……[illegible]”[illegible]

[illegible]1815[illegible]460[illegible]1890[illegible]2 400[illegible]1960[illegible]6 250[illegible]150[illegible]

[illegible]20[illegible]

[illegible]17[illegible]1699[illegible]1789[illegible]“[illegible]”[illegible]3600[illegible][6][illegible]“[illegible]”[illegible]1800[illegible]

20[illegible]——[illegible]——[illegible]

[illegible]17[illegible]1800[illegible]Crawfurd[illegible]1820[illegible]*History of the Indian Archipelago*[illegible]20[illegible]Celebes[illegible]

[illegible]17[illegible]

[illegible]1962[illegible]260[illegible]“[illegible]”[illegible]

[illegible]20[illegible]1900[illegible]110[illegible]30[illegible]3[illegible]1940[illegible]85[illegible]40[illegible]180[illegible]10[illegible]1940[illegible]

[illegible]17[illegible]——[illegible]4[illegible]——1832[illegible]1844[illegible]1872[illegible]1896[illegible]——[illegible]

[illegible]1615[illegible]6[illegible]19[illegible]“[illegible]”[illegible]17[illegible]80[illegible]19[illegible]

[illegible]
1950[illegible]——[illegible]850[illegible]——[illegible]460[illegible]220[illegible]

[illegible]1368—1953[illegible]*Studies on the Population of China*[illegible]1368—1953[illegible]1661[illegible]1[illegible]1900[illegible]4[illegible]6.87[illegible]

[illegible]17[illegible]11[illegible]1700[illegible]2/3[illegible]——1000—1850[illegible]——[illegible]——[illegible]——[illegible]250[illegible]17[illegible]18[illegible]——[illegible]

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[illegible]1962—1963[illegible]240[illegible]16[illegible]17[illegible]1937[illegible]36%[illegible]300[illegible]“[illegible]64%[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”



[illegible]5—6 [illegible]17[illegible]

[illegible]1963[illegible]3[illegible]

[illegible]3[illegible]1/3[illegible]

[illegible]3 1963[illegible]

马铃薯	277.6
稻米	257.4
小麦	250.3
玉米	231.8
大麦 [1]	102.9

1 [illegible]

[illegible]“[illegible]”[illegible]

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[1] [illegible]——[illegible]

[2] [illegible]“[illegible]”[illegible]——[illegible]

[3] [illegible]“[illegible]”[illegible]——[illegible]

[4] [illegible]——[illegible]

[5] [illegible]——[illegible]

[6] [illegible]——[illegible]

[7] [illegible]50[illegible]——[illegible]

[illegible]

[illegible]

[illegible]1871—1947[illegible]7000—9000[illegible]150[illegible]

[illegible]100[illegible]19[illegible]1929[illegible]——[illegible]——[illegible]

[illegible]“[illegible]”[illegible]Oroya fever[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]

[illegible]——[illegible]——[illegible]400[illegible]1872[illegible]——

[illegible]

[illegible]

[illegible]15[illegible]

[illegible]

[illegible]20[illegible]20[illegible]50[illegible]1964[illegible]

[illegible]——[illegible]——[illegible]*Vrat Kaumudi* [illegible]

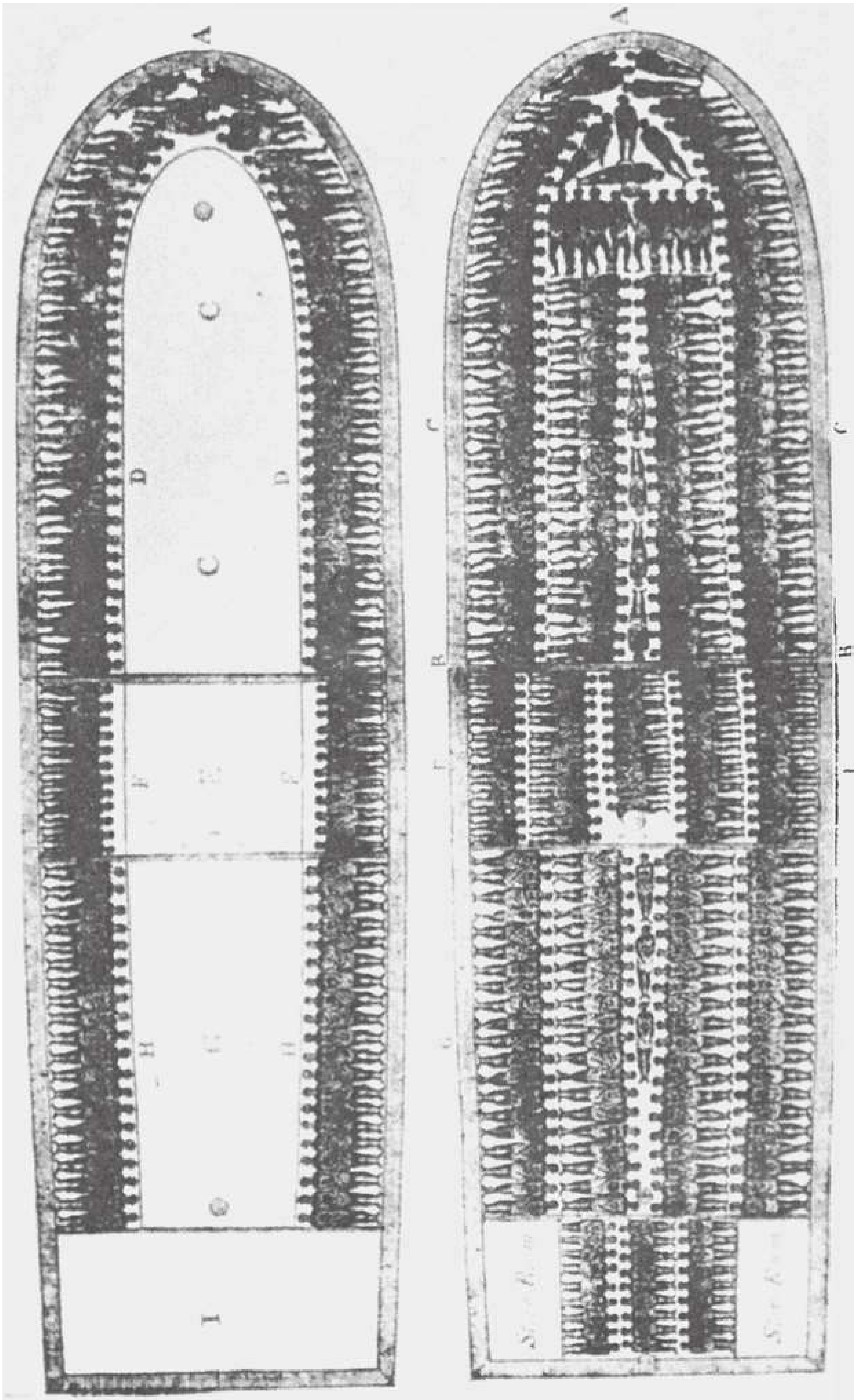
[illegible]1877[illegible]20[illegible]——[illegible]——[illegible]19[illegible]

[illegible]——[illegible]bronco[illegible]lariat[illegible]chaps[illegible]bukaroo[illegible]arroyo[illegible]barranca[illegible]

[illegible]1905[illegible]1917[illegible]

[illegible]70[illegible]19[illegible]60[illegible]

[illegible]1920[illegible]
1955[illegible]



[illegible]6—1 [illegible]1791[illegible]

[illegible]19[illegible]“[illegible]”[illegible]

[illegible]——[illegible]——[illegible]

[illegible]16—18[illegible]38%[illegible]42%[illegible]800[illegible]—1050[illegible]1850[illegible]1950[illegible]4700[illegible]1.98[illegible]



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Courtesy University of Chicago Press

[illegible]1509—1740[illegible]15[illegible]17[illegible]25[illegible]18[illegible]150[illegible]1800[illegible]20[illegible]

19[illegible]19[illegible]30[illegible]——[illegible]1851—1960[illegible]6100[illegible]1924[illegible]4500[illegible]3400[illegible]1850—1940[illegible]700[illegible]1821—1945[illegible]450[illegible]

1930[illegible]2000[illegible]1400[illegible]1200[illegible]500[illegible]1946—1957[illegible]540[illegible]440[illegible]

[illegible]20[illegible]50[illegible]85%[illegible]42%[illegible]46%[illegible]96%[illegible]99%[illegible]

[illegible]

[illegible]200[illegible]1750[illegible]19%—20%[illegible]1850[illegible]23%[illegible]1960[illegible]21%[illegible]1750[illegible]22%[illegible]1950[illegible]36%[illegible]

[illegible]4 [illegible]

移出		
移出国	**时期**	**人数**
不列颠群岛	1846—1932	18 020 000
意大利	1846—1932	10 092 000
奥地利与匈牙利	1846—1932	5 196 000
德国	1846—1932	4 889 000
西班牙	1846—1932	4 653 000
俄国	1846—1924	2 253 000
葡萄牙	1846—1932	1 805 000
瑞典	1846—1932	1 203 000
挪威	1846—1932	854 000
波兰	1920—1932	642 000
法国	1846—1932	519 000
丹麦	1846—1932	387 000
芬兰	1871—1932	371 000
瑞士	1846—1932	332 000
荷兰	1846—1932	224 000
比利时	1846—1932	193 000
移入		
移入国	**时期**	**人数**
美国	1821—1932	34 244 000
阿根廷	1856—1932	6 405 000
加拿大	1821—1932	5 206 000
巴西	1821—1932	4 431 000
澳大利亚	1861—1932	2 913 000
英属西印度群岛	1836—1932	1 587 000
古巴	1901—1932	857 000
南非	1881—1932	852 000
乌拉圭	1836—1932	713 000
新西兰	1851—1932	594 000
墨西哥	1911—1931	226 000

[illegible]5000[illegible]

[illegible]1714—1773[illegible]101 264 818[illegible]20.5%[illegible]20[illegible]

[illegible]1860[illegible]17%[illegible]1960[illegible]21%[illegible]1860[illegible]1960[illegible]11%[illegible]6%[illegible]

[illegible]

[illegible]——[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1492[illegible]——[illegible]“[illegible]”[illegible]

5[illegible]5[illegible]

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[1] [illegible]——[illegible]

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CHAPTER 3: OLD WORLD PLANTS AND ANIMALS IN THE NEW WORLD

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瘟疫与人

[美] 威廉·麦克尼尔——著

余新忠 毕会成——译

Plagues and Peoples

William H. McNeill

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马	35 种
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[illegible]13[illegible]14[illegible]1430[illegible][21]

时间（年）	人口（百万）
823	3.69
859—922	3.76
990—1080	4.41
1185—1333	9.75

[illegible][22]

时间（年）	人口（百万）
1086	1.1
1348	3.7
1377	2.2
1430	2.1
1603	3.8
1690	4.1

[illegible]1080[illegible]1333[illegible]250[illegible]1430[illegible]1690[illegible]

[illegible]1337[illegible]16[illegible]13[illegible]

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[illegible]1500[illegible]

1200[illegible]1200[illegible]

[illegible]1200[illegible]

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[9] [illegible]476[illegible]494—497[illegible]342[illegible]500[illegible]“[illegible]”[illegible]1953[illegible]106—109[illegible]

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[11] [illegible]610[illegible]642[illegible]8l[illegible]“[illegible]”[illegible]“[illegible]”[illegible]642[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]610[illegible]3—4[illegible]500[illegible]

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[16] □□□□

[17] □□□□□

[18] □□□845□□“□□□□”□□□——□□□□□□□□□

[19] □□1969□ □p.11—16□□□□□□□□□□□□□□□□□□□□□□□□□□·□□□□□□□□

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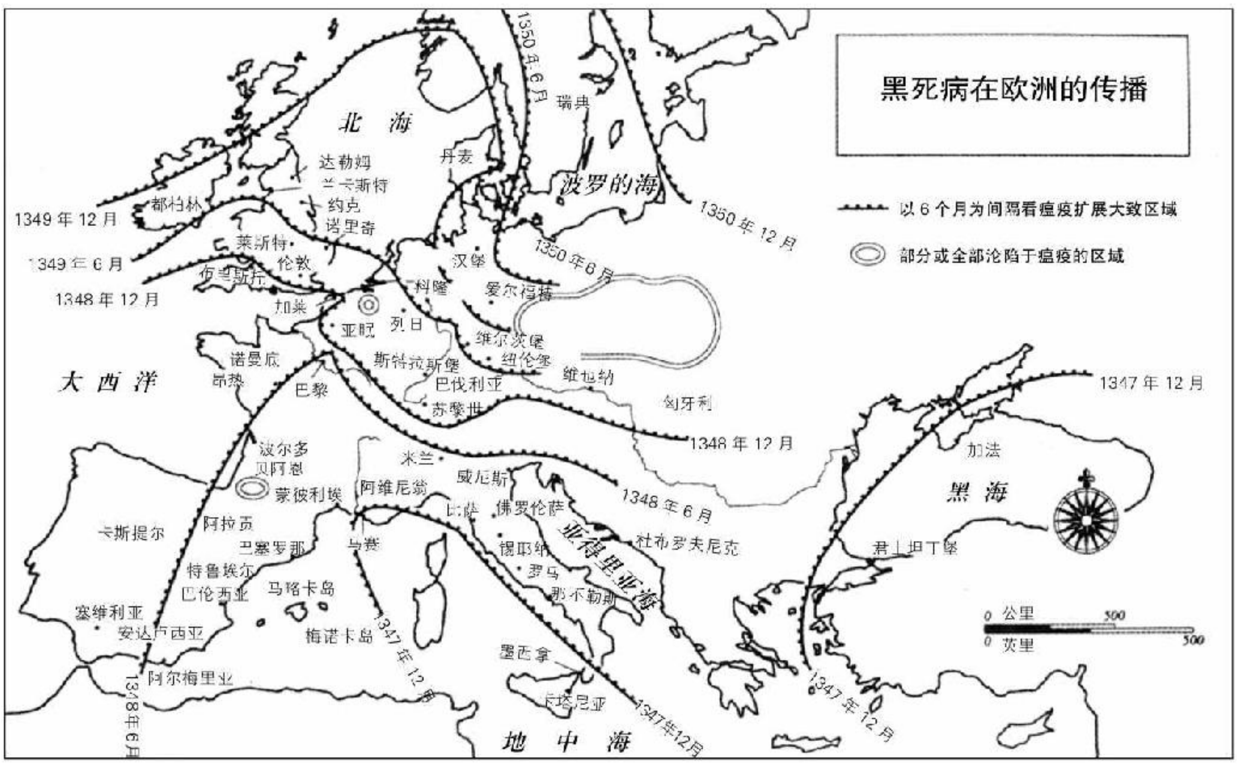
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黑死病在欧洲的传播
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部分或全部沦陷于瘟疫的区域
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波罗的海
大西洋
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黑海
亚得里亚海
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诺里奇
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[illegible]1346—1500[illegible]1453[illegible]17[illegible]

[illegible]15[illegible]

[illegible]1492—1512[illegible]

[illegible]14[illegible]

[illegible]14[illegible]Flagellants[illegible][1]

[illegible]14[illegible]Vistula[illegible]Nieman[illegible]

[illegible]Boccaccio[illegible]Chaucer[illegible]William Langland[illegible][2][illegible]Giao[illegible]“[illegible]”[illegible][3][illegible]13[illegible]

[illegible]13[illegible]——[illegible]90[illegible]·[illegible]Thorold Rogers[illegible][4][illegible][5]

[illegible]14[illegible]15[illegible]

[illegible]24[illegible]Aquinas[illegible]1274[illegible]the Brethren of the Common Life[illegible]Lollards[illegible][6][illegible]17[illegible]

[illegible]

[illegible]14[illegible]1346[illegible]·[illegible]

[illegible]St.Sebastian[illegible]St.Roch[illegible]——[illegible][7]

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[illegible]1350—1550[illegible][8]

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[illegible]—[illegible]

[illegible]1/3[illegible]1347—1349[illegible][1] [illegible]20[illegible]40[illegible]

[illegible]1382[illegible]1798[illegible]Mamelukes[illegible]

[illegible]15[illegible][2] [illegible]1798[illegible]1844[illegible][3]

[illegible]20[illegible]50[illegible][4]

[illegible]

“[illegible]”

[illegible]“[illegible]”

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[illegible]“[illegible]”[illegible]epidemic disease[illegible]——[illegible]Sassanian[illegible][6]

[illegible]16[illegible]“[illegible]”[7][illegible]

[illegible]18[illegible]19[illegible]

[illegible]14[illegible]19[illegible][8][illegible]1894[illegible]1855[illegible]1200—1393[illegible][9]

[illegible]14[illegible]1346[illegible][10]

[illegible]1368[illegible]

[illegible]14[illegible]Timur[illegible]1369—1405[illegible]

[illegible]

[illegible]1346[illegible]

[illegible][11]

[illegible]14[illegible]300[illegible]1300[illegible]Seljuk[illegible]

[illegible]1346[illegible]16[illegible]1550[illegible]

[illegible]1500[illegible]“[illegible]”[illegible]15[illegible]

[illegible][12]

[illegible]17[illegible]17[illegible]40[illegible]“[illegible]”[illegible]

[illegible]17[illegible]“[illegible]”[illegible]17[illegible]50[illegible]1757[illegible]Kalmuks[illegible]

[illegible]17[illegible]17[illegible]

[illegible]20[illegible]

[illegible]13—15[illegible]1499[illegible]17[illegible] [13]

[illegible]18[illegible]1200—1400[illegible]

[illegible]14[illegible]1200—1700[illegible]

[illegible]13[illegible]14[illegible]

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文献中提到的发病次数			
时间跨度	叙利亚	埃及	伊拉克
632—719 年	7	2	6
719—816 年	3	0	5
816—913 年	0	0	3
913—1010 年	0	0	3
1010—1107 年	2	2	5
1107—1204 年	2	2	2
1204—1301 年	1	5	0
1301—1398 年	3	5	1
1398—1495 年	5	17	0

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1535 年	只发生在吉兰
1571—1575 年	普遍的暴发，与地中海地区同样普遍的暴发同时
1595—1596 年	全国性发作，也包括伊拉克
1611—1617 年	鼠疫经阿富汗东来
1666 年	与伦敦大鼠疫同时
1684—1686 年	普遍而严重
1725 年	
1757 年	
1760—1767 年	普遍而严重
1773—1774 年	普遍，也影响伊拉克，且与莫斯科的鼠疫同时
1797 年	

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[illegible] 1500—1700 [illegible]

[illegible] 4000 [illegible]

[illegible]

[illegible]Kentucky blue grass[illegible]dandelions[illegible]daisies[illegible][1][illegible]1500[illegible]19[illegible]80[illegible]——[illegible]phylloxera[illegible]

[illegible][2][illegible][3]

[illegible]—[illegible][4][illegible][5][illegible]16[illegible]

[illegible]1000[illegible]—[illegible]

——Guinea pig —— [6]

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niacin pellagra “ ” [7]

Pizzaro [8]

“ ” Hispaniola 800 1400 [9] 10 1 2500 3000 [10]

1568 50 300 1/10 [11]

[illegible]50[illegible]1620[illegible]160[illegible]18[illegible]

[illegible]20[illegible]1903[illegible]“[illegible]”[illegible]Cayapo[illegible]6000[illegible]8000[illegible]1918[illegible]500[illegible]1927[illegible]27[illegible]1950[illegible]2[illegible]3[illegible][12]

[illegible]1942—1943[illegible]Alcan[illegible]130[illegible]7[illegible]1837[illegible]Mandan[illegible]Sioux[illegible]2000[illegible][13]

[illegible]120[illegible]5[illegible]6[illegible]90[illegible]

[illegible]17[illegible]17[illegible]

[illegible]17[illegible]hacienda[illegible]villa[illegible]

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[illegible]1518[illegible]·[illegible]Bartoleme deLas Casas[illegible]1000[illegible]1520[illegible]Tenochtitlan[illegible]

[illegible]1520[illegible]1525[illegible]1526[illegible]Cuzco[illegible]

[illegible]

[illegible]——[illegible]——[illegible]——[illegible]

[illegible]

[illegible]1/3[illegible]1530—1531[illegible]15[illegible]1546[illegible][1][illegible]1490[illegible][2]

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[illegible]

[illegible]1546[illegible]1558—1559[illegible]1556[illegible]1560[illegible]20[illegible][1][illegible]16[illegible]50[illegible]1918—1919[illegible]1556[illegible]“[illegible]”[illegible]“[illegible]”[illegible][2]

[illegible]16[illegible]——[illegible]16[illegible]17[illegible]17[illegible]80[illegible]90%[illegible]“[illegible]”[illegible][3]

[illegible][4][illegible]Nova Scotia[illegible]“[illegible]”[illegible]1616—1617[illegible]1633[illegible][5]

[illegible]1699[illegible]“[illegible]smell[illegible]”[6][illegible]“[illegible]”[illegible]breath[illegible]“[illegible]”[illegible]

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Quito

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1648 Yucatan

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[illegible]“[illegible]”[illegible]72[illegible] [13] [illegible]——[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible] [14]

[illegible]19[illegible] [15]

[illegible]20[illegible]1[illegible]25[illegible]1[illegible] [16] [illegible]

[illegible] [17]

[illegible]

[illegible]1500[illegible]

[illegible]——[illegible]1700[illegible]

[illegible]

[illegible]——[illegible]（Hottentots[illegible]——[illegible]

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[illegible]

[illegible]——1450[illegible]1550[illegible]“[illegible]”[illegible]English sweats[illegible]

[illegible]1494—1559[illegible]1494[illegible]·[illegible]1498[illegible]1505[illegible]——[illegible]15[illegible][1][illegible]

[illegible]

[illegible]——[illegible]1539[illegible][2]

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“[illegible]”[illegible]1551[illegible]1485[illegible]“[illegible]”[illegible]Bosworth[illegible]“[illegible]”[illegible][4][illegible]“[illegible]”[illegible]

1529[illegible]“[illegible]”[illegible]Zwingli[illegible]Marburg[illegible][5][illegible]

[illegible]“[illegible]”[illegible]1529[illegible]20[illegible]

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[illegible]

[illegible]15[illegible]1600[illegible][6][illegible]

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[illegible]1500—1700[illegible]1346[illegible]17[illegible][1]

[illegible]17[illegible]1600[illegible]18[illegible]

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[illegible]1300[illegible]16[illegible]17[illegible]

[illegible]

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[illegible]1700[illegible]1750[illegible][2][illegible]

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[illegible]

[illegible][1][illegible][2][illegible]1494—1559[illegible]1618—1648[illegible][3]

[illegible][4][illegible][5][illegible]

[illegible][6][illegible][7][illegible][8][illegible][9][illegible]

[illegible]

[illegible][10]

[illegible]·[illegible][11]

1300—1399 年	18 次提及疫病
1400—1499 年	19 次
1500—1599 年	41 次
1600—1699 年	37 次（政治动荡时代）
1700—1799 年	38 次
1800—1899 年	40 次

[illegible]16[illegible]1500[illegible][12]

1400 年	6 500 万
1600 年	1.5 亿
1700 年	1.5 亿
1794 年	3.13 亿

[illegible]1600—1700[illegible]17[illegible]17[illegible][13][illegible]17[illegible]17[illegible]

[illegible]1726[illegible]4[illegible]19[illegible][14]

1185—1333 年	975 万
1572—1591 年	1 800 万
1726 年	2 650 万
1852 年	2 720 万

[illegible] 1700 [illegible] [15]

[illegible] Ottoman [illegible] 1526—1605 [illegible] 17 [illegible] [16]

[illegible]

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[illegible] [17]

[illegible] 16 [illegible] [18] [illegible]

[illegible] 17 [illegible]

[illegible] —— [illegible]

[illegible] “[illegible]”（gunponder empires）[illegible]（Safavid）[illegible] “[illegible]” [illegible] “[illegible]” [illegible]

[illegible]17[illegible]

[illegible] [19]

[illegible]2000[illegible]2500[illegible]

[illegible]1200[illegible]17[illegible]

[illegible]20[illegible]1492[illegible]

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[12] □□□□□□□□□□□□1368—1953□□□□277□□

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1300—1399年	27次
1400—1499年	28次
1500—1599年	21次
1600—1699年	18次
1700—1799年	32次
1800—1867年	33次

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[illegible] [illegible]1700[illegible]—

[illegible][1] [illegible][2]

[illegible][3]

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[illegible]

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[illegible]——[illegible]——[illegible]Avicenna[illegible]Caraka[illegible]

[illegible]

[illegible]19[illegible]17[illegible][1]

[illegible]1200—1700[illegible]

[illegible]15[illegible]16[illegible][2]

[illegible]“[illegible]”[illegible]Paracelsus[illegible]1493—1541[illegible]“[illegible]”[illegible][3][illegible]

[illegible]18[illegible]18[illegible]1850[illegible]

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[illegible]17[illegible]1650[illegible]18[illegible][1][illegible]16[illegible]

[illegible]17[illegible]1750[illegible]1650[illegible][2][illegible]1650—1750[illegible]“[illegible]”[illegible]1683[illegible]1700[illegible]1.5[illegible]1794[illegible]3.13[illegible][3]

[illegible]1800[illegible]1.52[illegible][4][illegible]18[illegible]

[illegible]“[illegible]”[illegible][5][illegible]18[illegible]1650—1750[illegible]——[illegible]1800[illegible]800[illegible]1000[illegible][6][illegible]1/5[illegible]

[illegible]1800[illegible]Emperor Aurangzeb[illegible]1658—1707[illegible]1818[illegible]

[illegible]18[illegible]“[illegible]”[illegible]……

[illegible]15[illegible]30[illegible][7][illegible]17[illegible]monsoonforest[illegible]

[illegible]18[illegible]

[illegible]19[illegible]20[illegible]

[illegible]19[illegible]1800[illegible]

[illegible]18[illegible]1771[illegible]56672[illegible]1664—1666[illegible]

[illegible] [8] [illegible] 18 [illegible]
1724 [illegible] 1250 [illegible] 1796 [illegible] 2100 [illegible] [9] [illegible]

[illegible] 18 [illegible] 19 [illegible]

[illegible] 18 [illegible] 1652 [illegible] 18 [illegible] 18 [illegible] 1 [illegible] [10]

[illegible] 18 [illegible] 19 [illegible]
70 [illegible]
1/3 [illegible]

[illegible] 17 [illegible] “[illegible]” [illegible] the North Sea [illegible]

[illegible] [11]

[illegible]

[illegible]18[illegible]“[illegible]”[illegible] [12]

[illegible]1650—1750[illegible]“[illegible]”[illegible]18[illegible]“[illegible]”[illegible]1775[illegible] [13] [illegible]18[illegible]
1775[illegible]

[illegible]1650[illegible]18[illegible]

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[illegible]18[illegible]1721[illegible]

[illegible]18[illegible]40[illegible]18[illegible]70[illegible]

[illegible][1]

[illegible]18[illegible]“[illegible]”[illegible]19[illegible]40[illegible][2][illegible]70[illegible]100[illegible]

[illegible]172l—1740[illegible]1774[illegible]19[illegible][3]

[illegible]18[illegible][4][illegible]18[illegible]1763[illegible]Jeffrey Amherst[illegible][5]

[illegible]·[illegible]Edward Jenner[illegible]1749—1823[illegible]1798[illegible]

[illegible]1803[illegible]1807[illegible][6]

[illegible]1800[illegible]1768[illegible]1775[illegible]1776[illegible]·[illegible]1805[illegible][7][illegible]19[illegible]

[illegible]——[illegible]1721[illegible]·[illegible]Mary Wortley Montagu[illegible][8][illegible]Padua[illegible]Morea[illegible]Thessaly[illegible]

[illegible][9][illegible]1700[illegible][10][illegible]11[illegible][11][illegible][12][illegible]18[illegible][13][illegible]18[illegible]

[illegible]·[illegible]18[illegible]1700[illegible]Anne[illegible]Hanoverian[illegible]1711[illegible]Hapsburg[illegible]·[illegible] [14]

[illegible]18[illegible]1700[illegible] [15]

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[illegible]

[illegible]1803[illegible]Lexington[illegible]500[illegible] [17] 1805[illegible]Khiatka[illegible]

[illegible][18][illegible]1812[illegible]Bukhara[illegible][19]

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[12] [illegible]215—216[illegible]

[13] [illegible]1915[illegible]130[illegible]

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[illegible]18[illegible]18[illegible]1763[illegible]

[illegible]18[illegible]“[illegible]”[illegible]17[illegible]
18[illegible]

[illegible]

[illegible]1494—1648[illegible]“[illegible]”（the Old Regime）[illegible]

[illegible]1856—1960[illegible]

[illegible]1750—1850[illegible]1809[illegible][1]

[illegible][2][illegible]1800[illegible]19[illegible]40[illegible]1845[illegible]“[illegible]”[illegible][3][illegible]

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[illegible]20[illegible][5][illegible]19[illegible]

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西方的兴起

人类共同体史

The Rise of the West
A History of the Human Community
William H. McNeill

[美]威廉·麦克尼尔——著 孙岳 陈志坚 于展——等译 郭方 李永斌——译校

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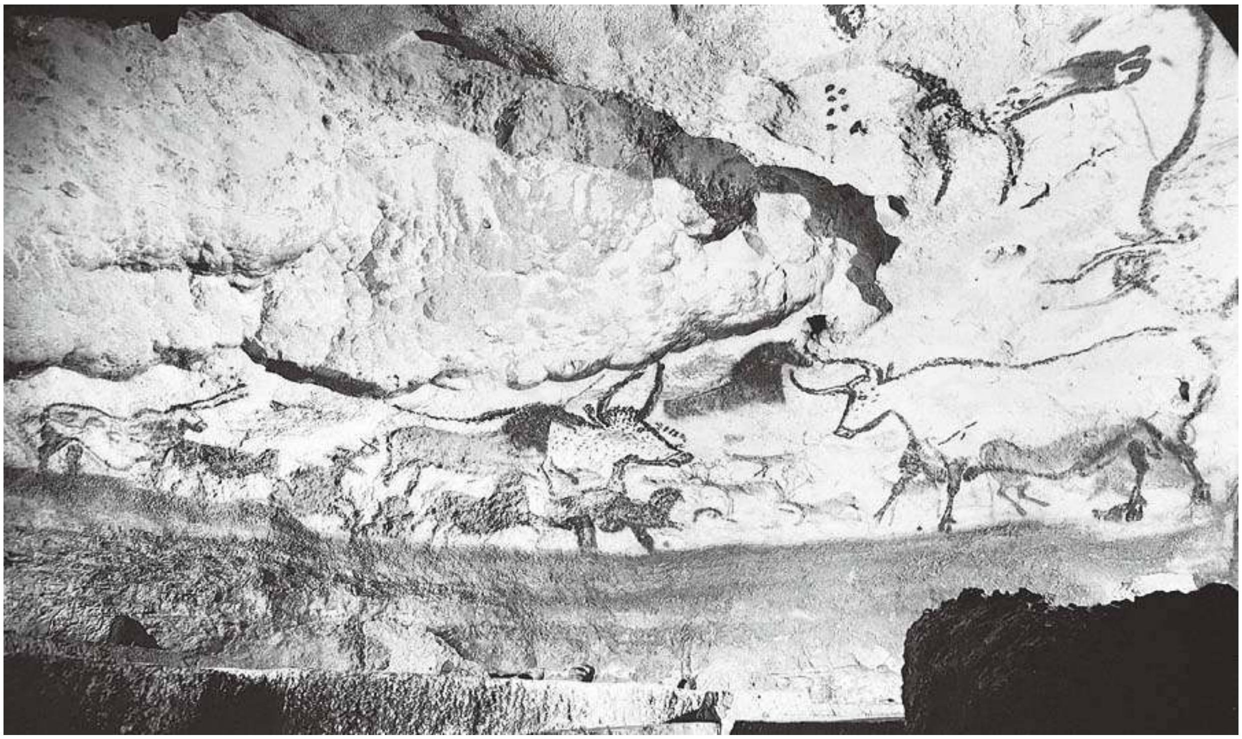
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[illegible]Ford Faculty Fellowship[illegible]1954—1955[illegible]Carnegie Corporation[illegible]1957—1962[illegible]6[illegible]

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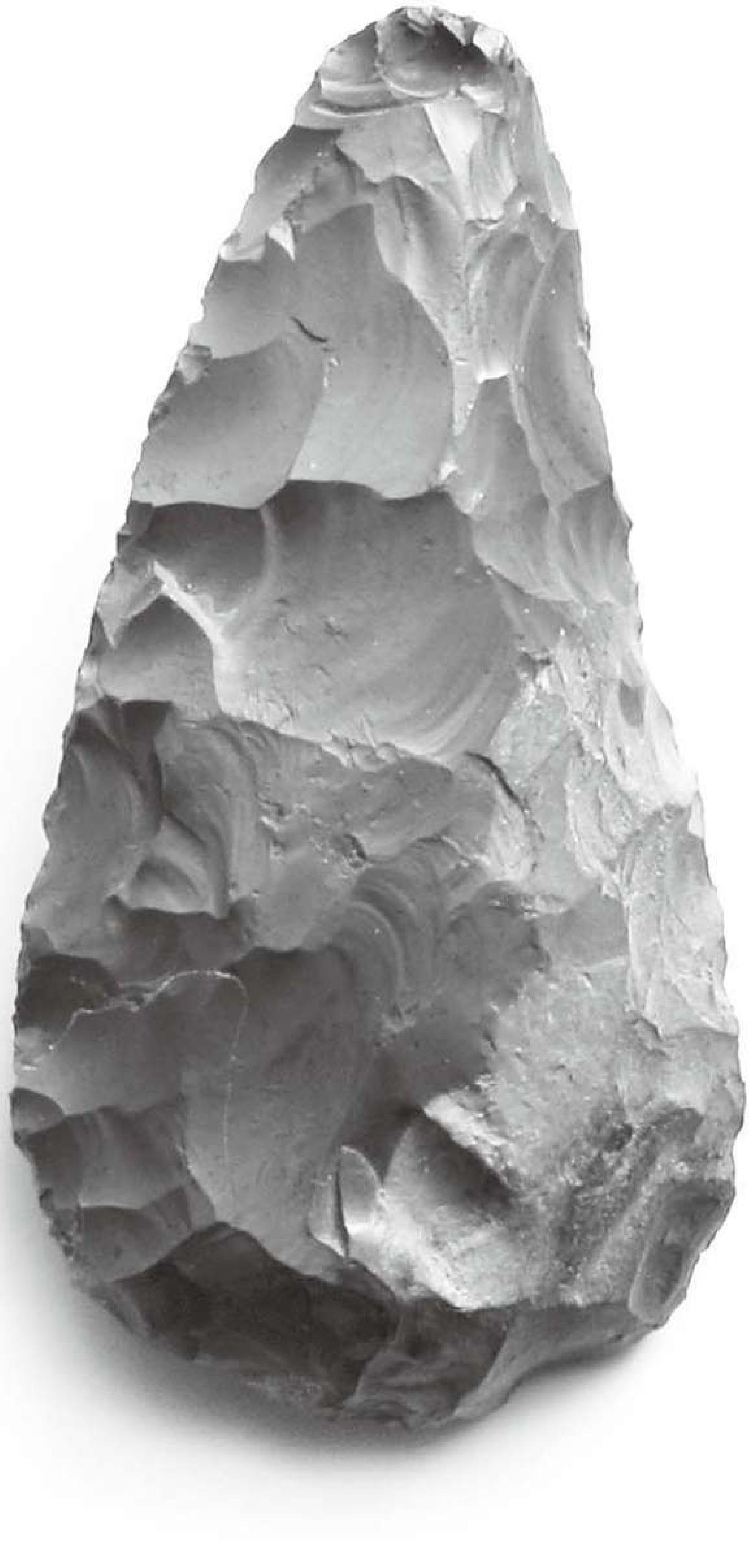
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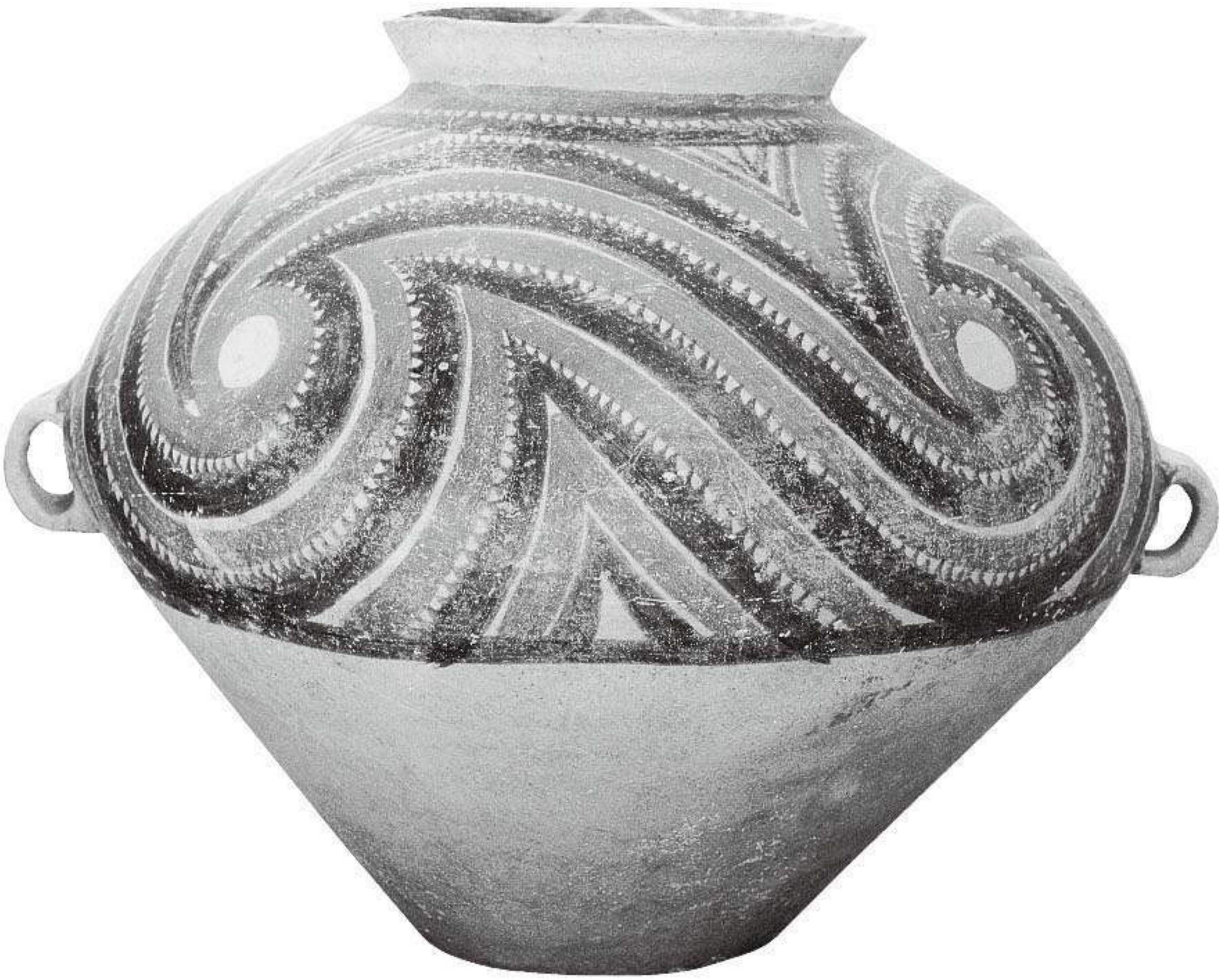
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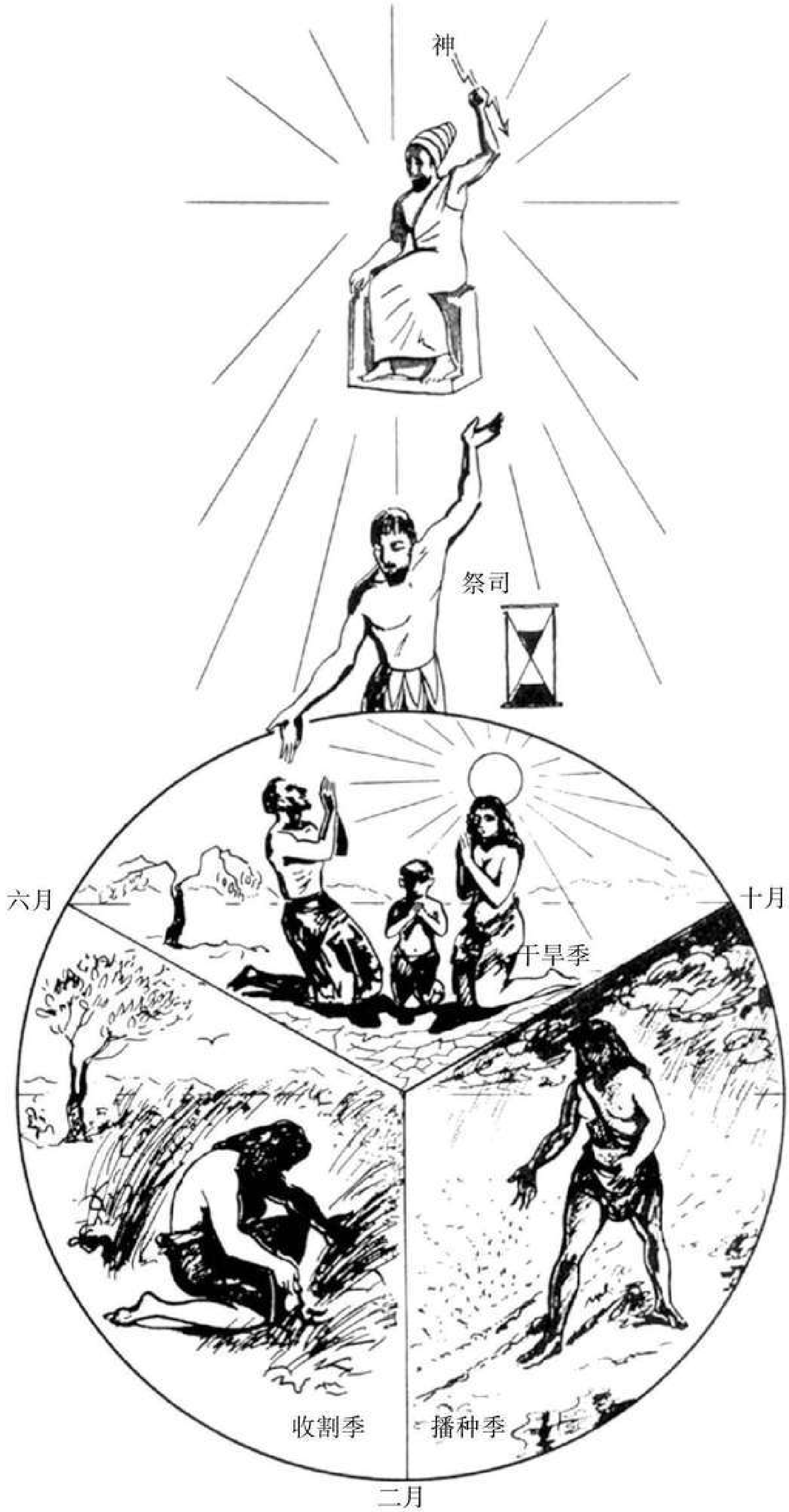
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神
祭司
六月
十月
干旱季
收割季
播种季
二月

[illegible]

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[illegible]

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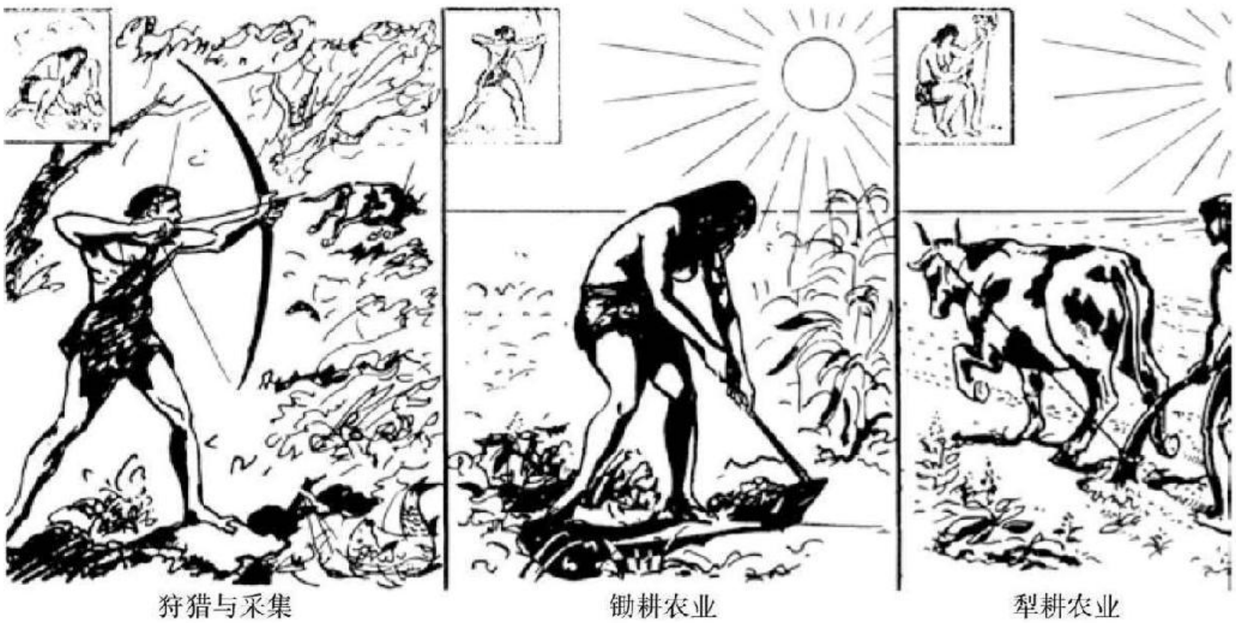
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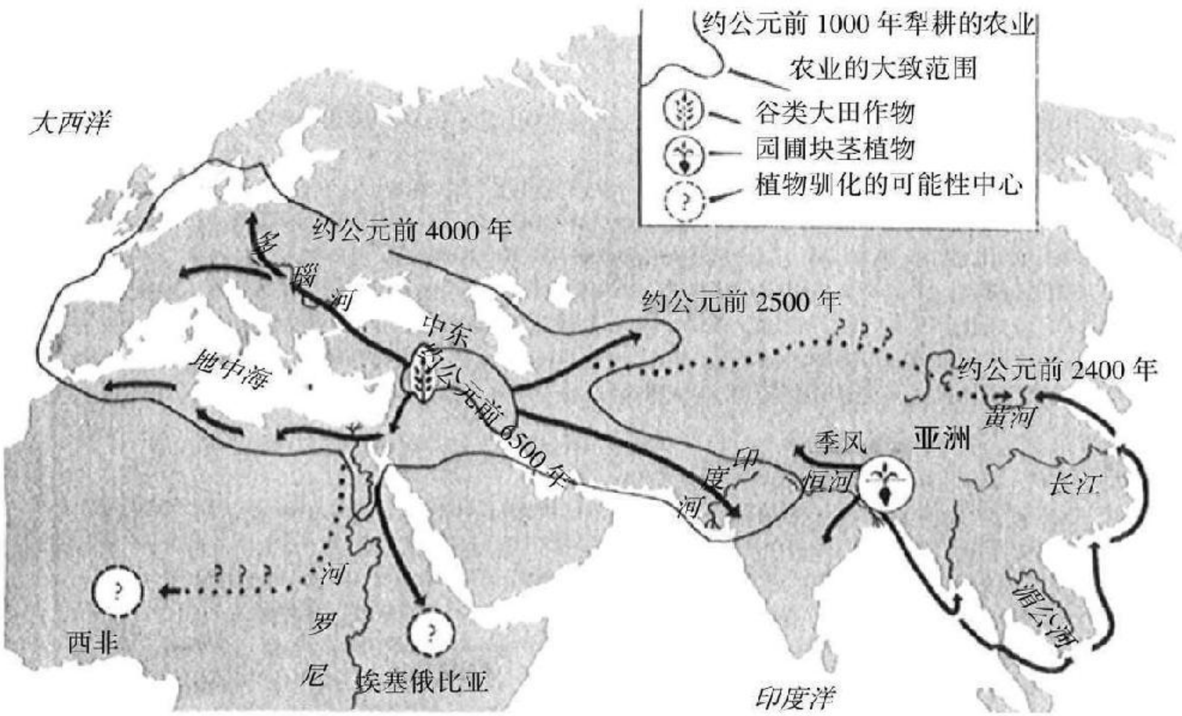
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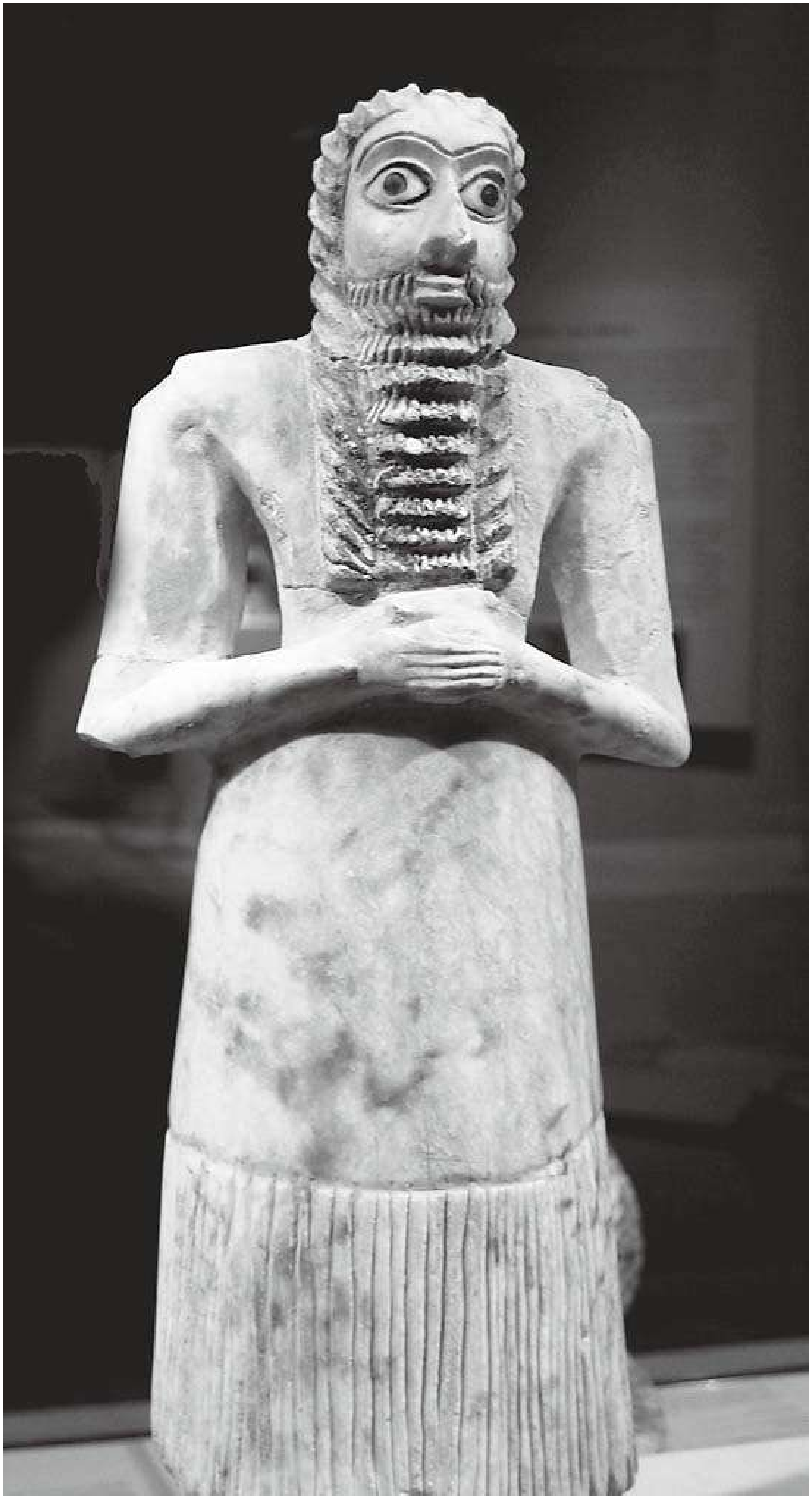
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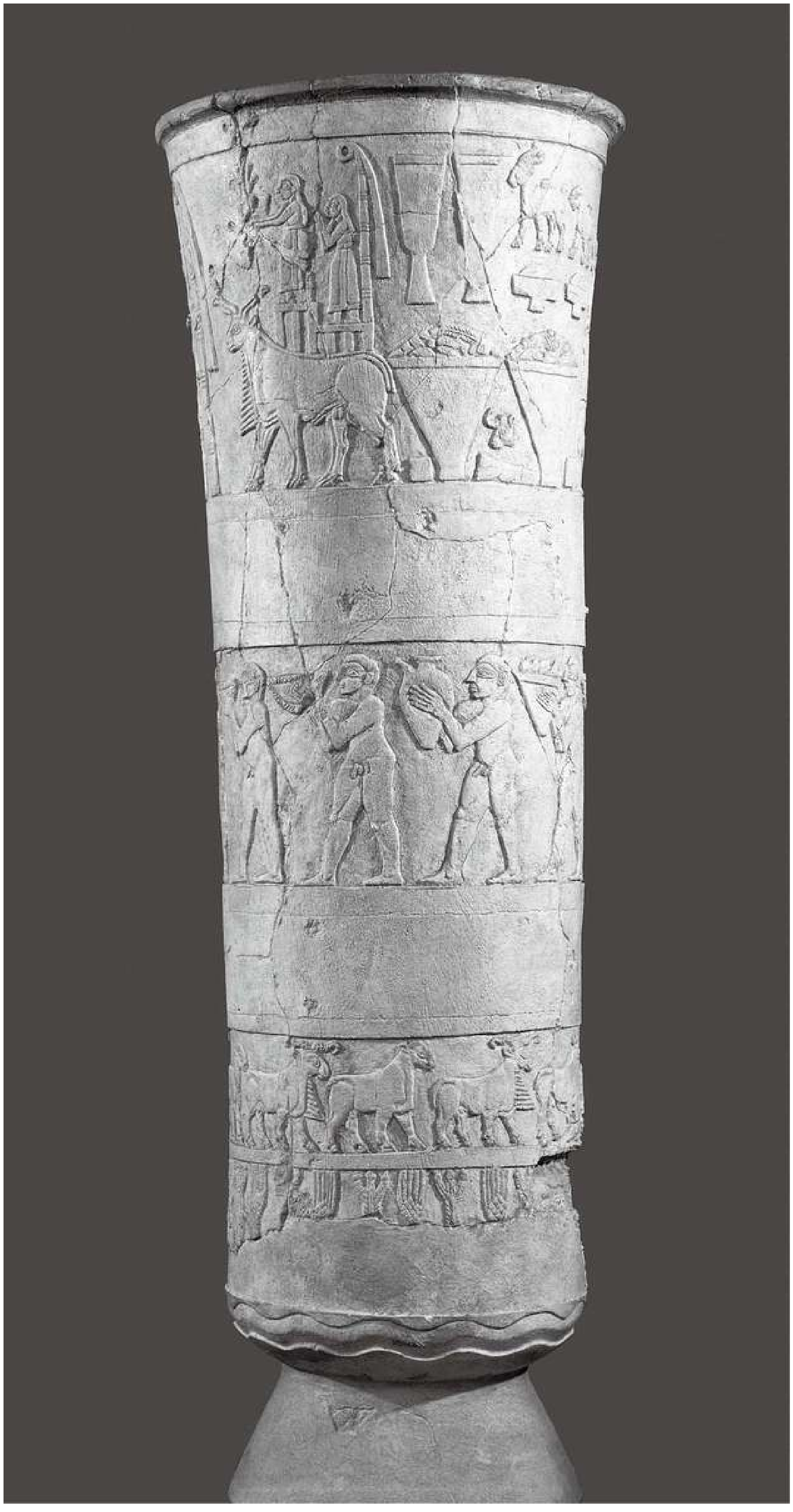


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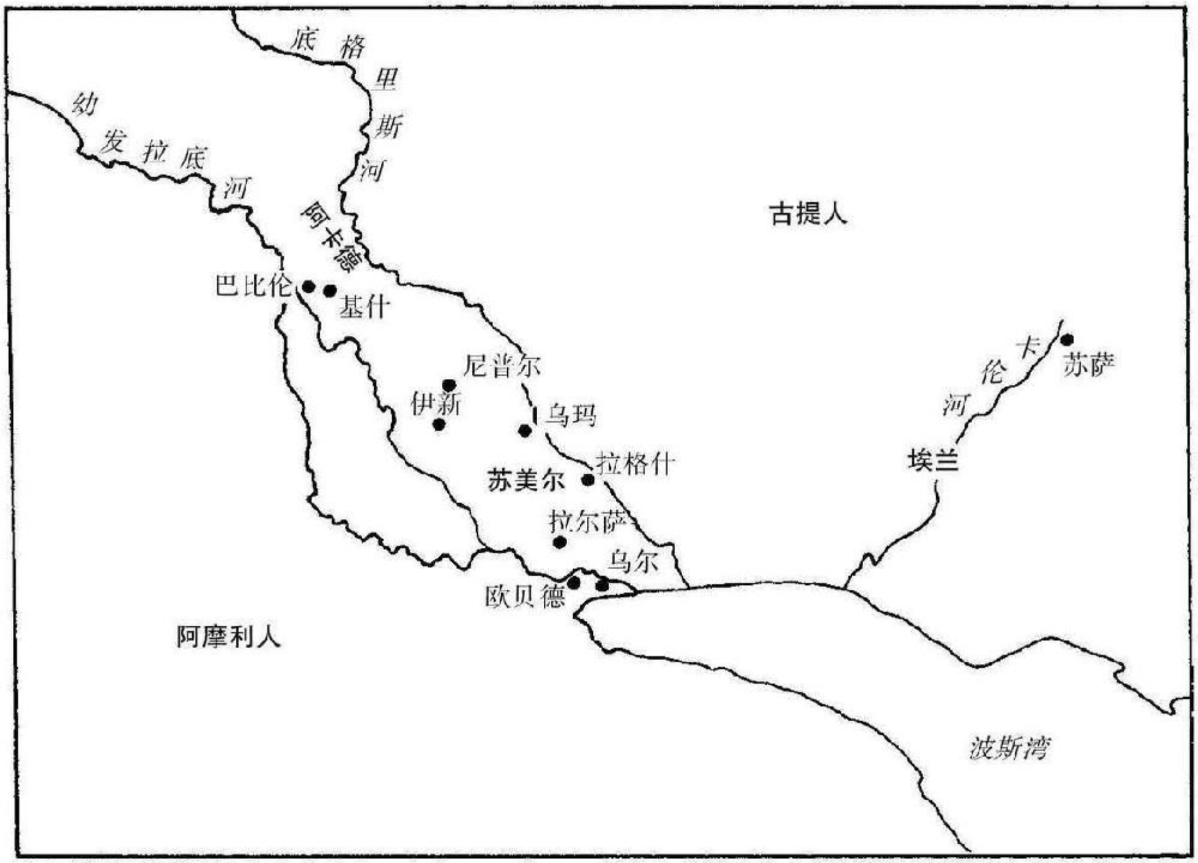
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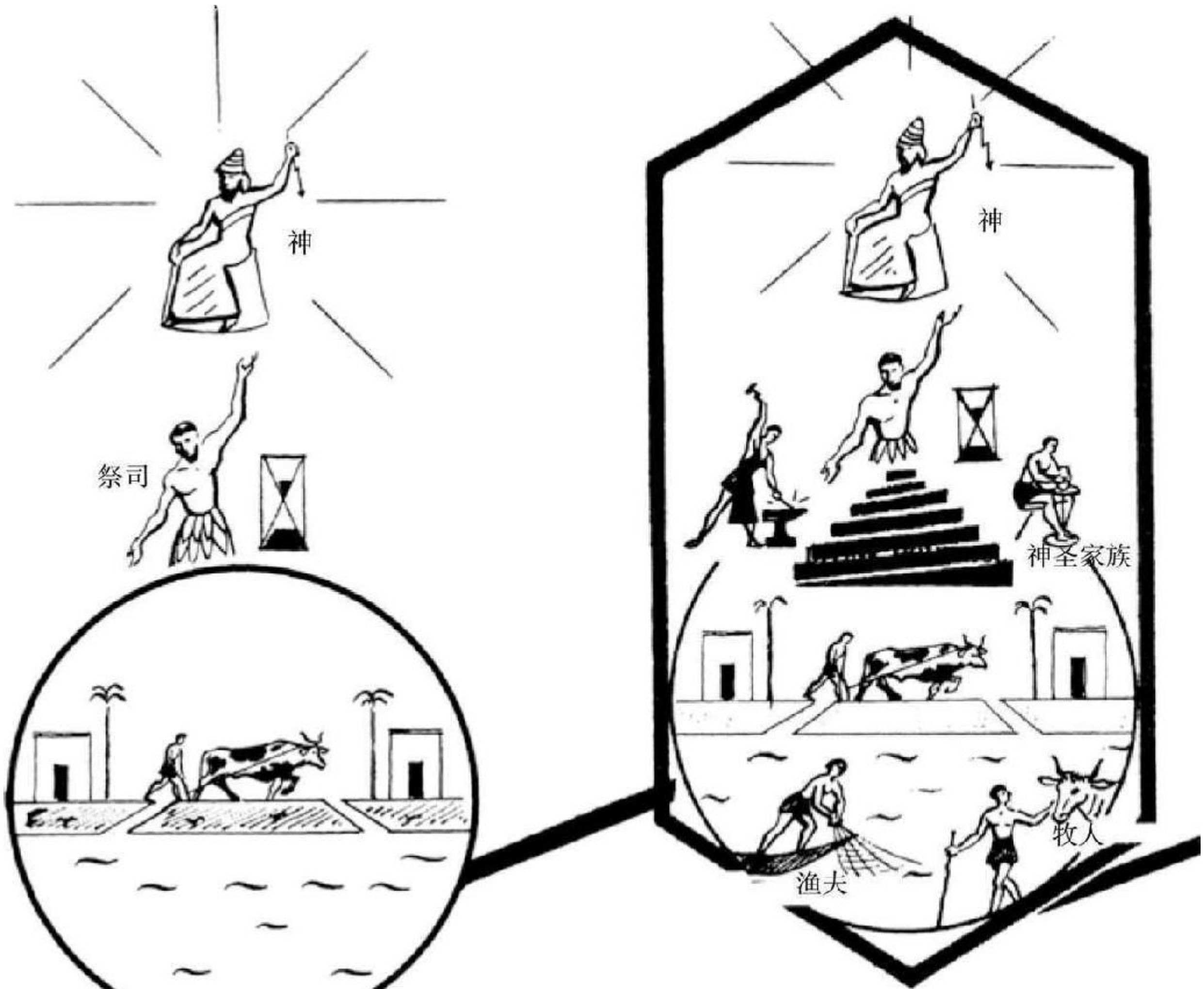
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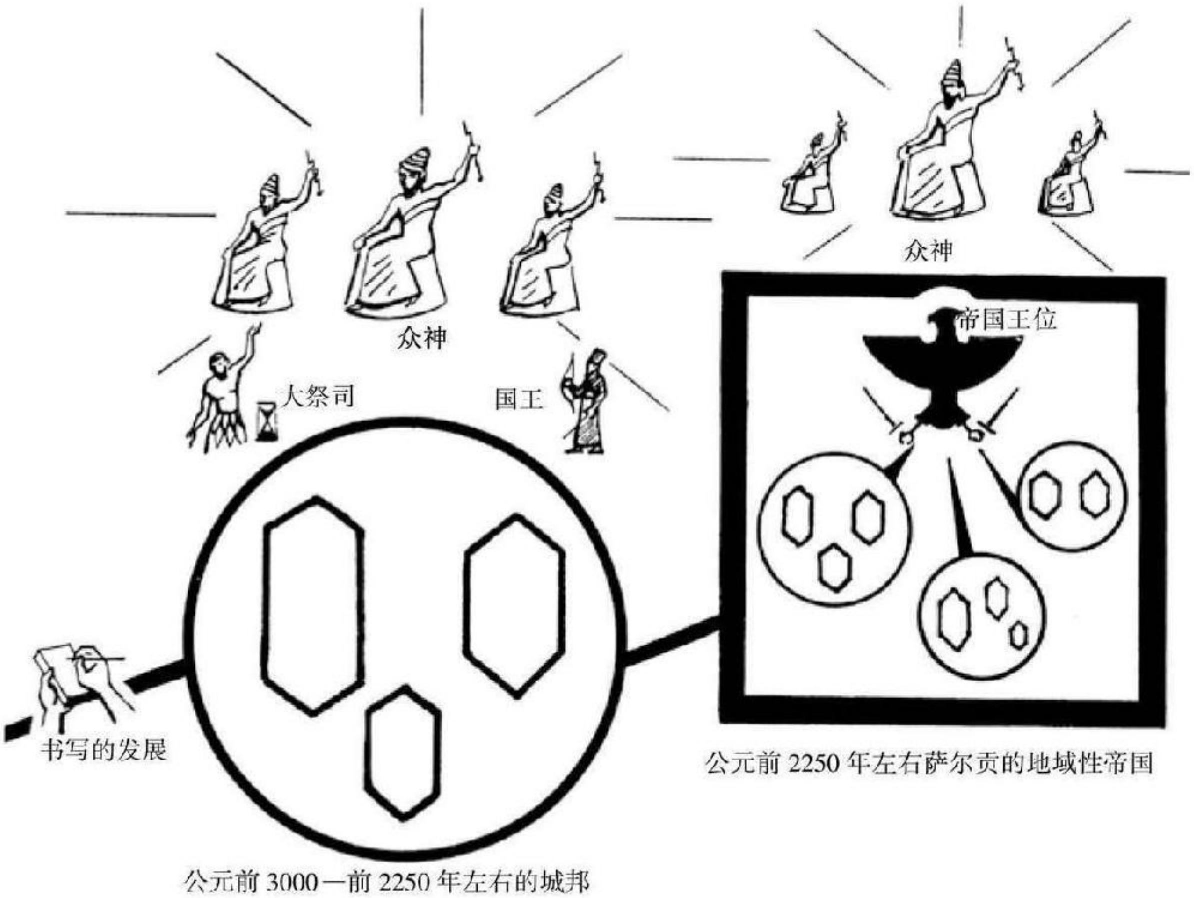
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约公元前3500—3000年的神庙公社

约公元前5000年的农村公社

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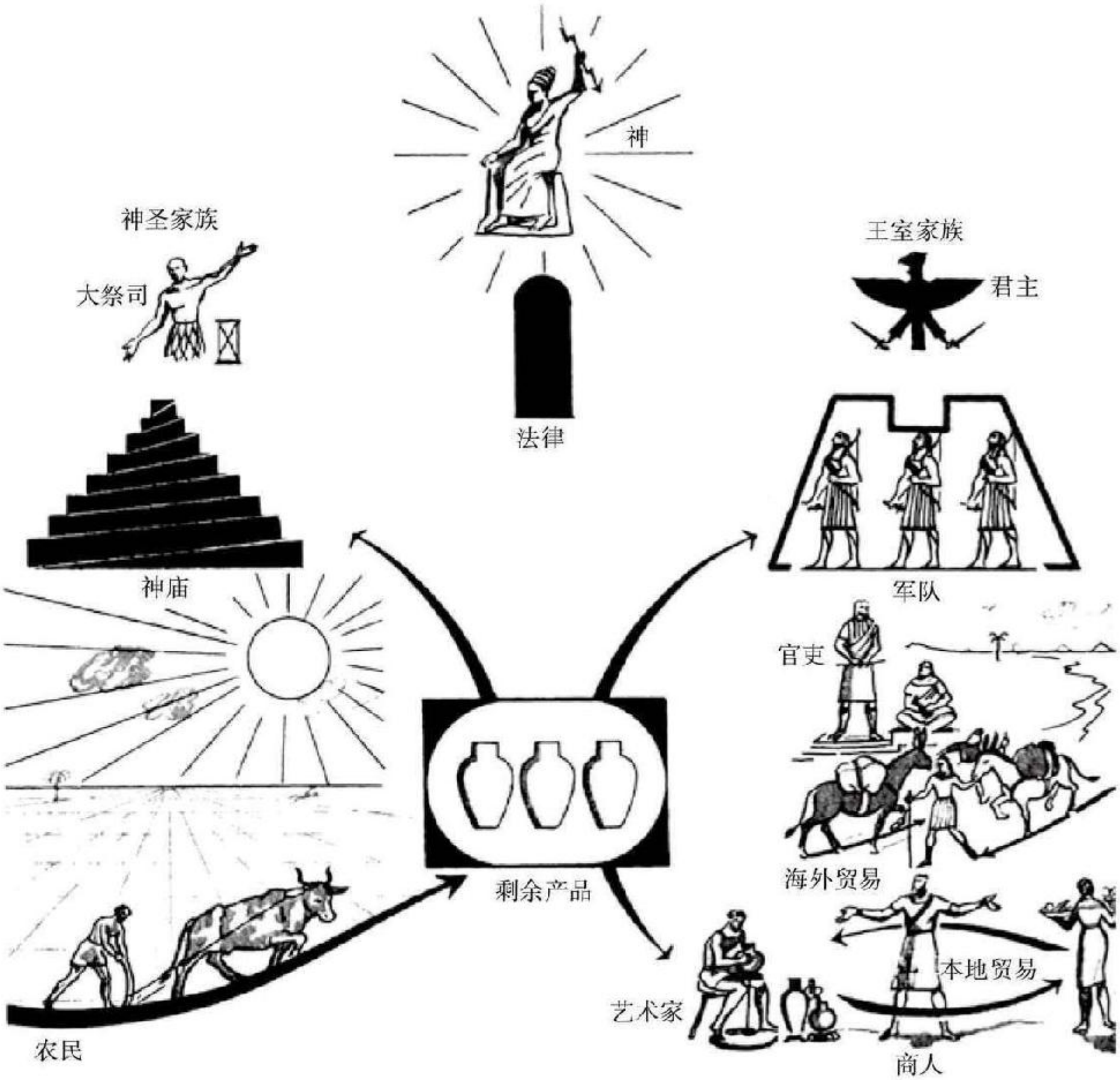
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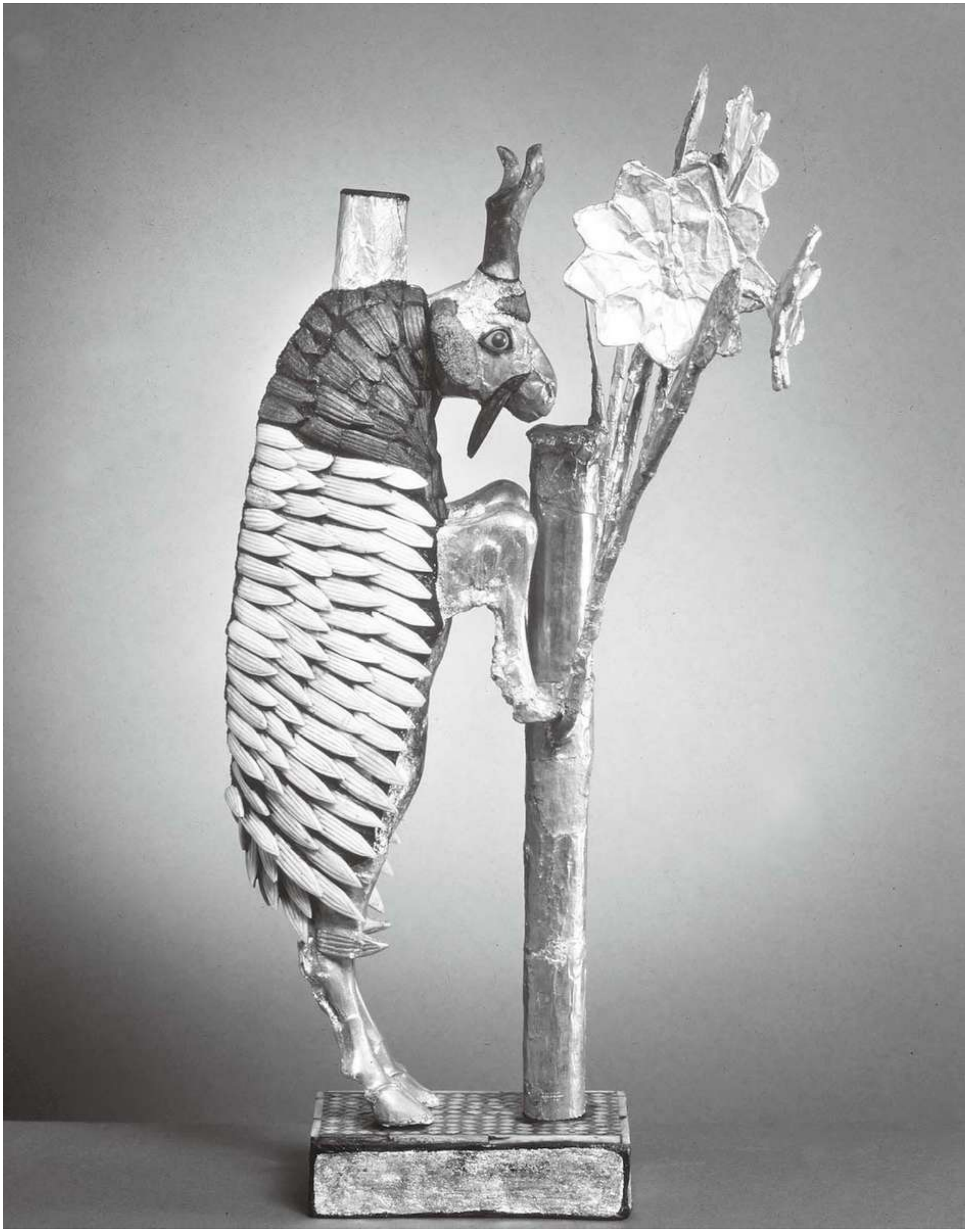
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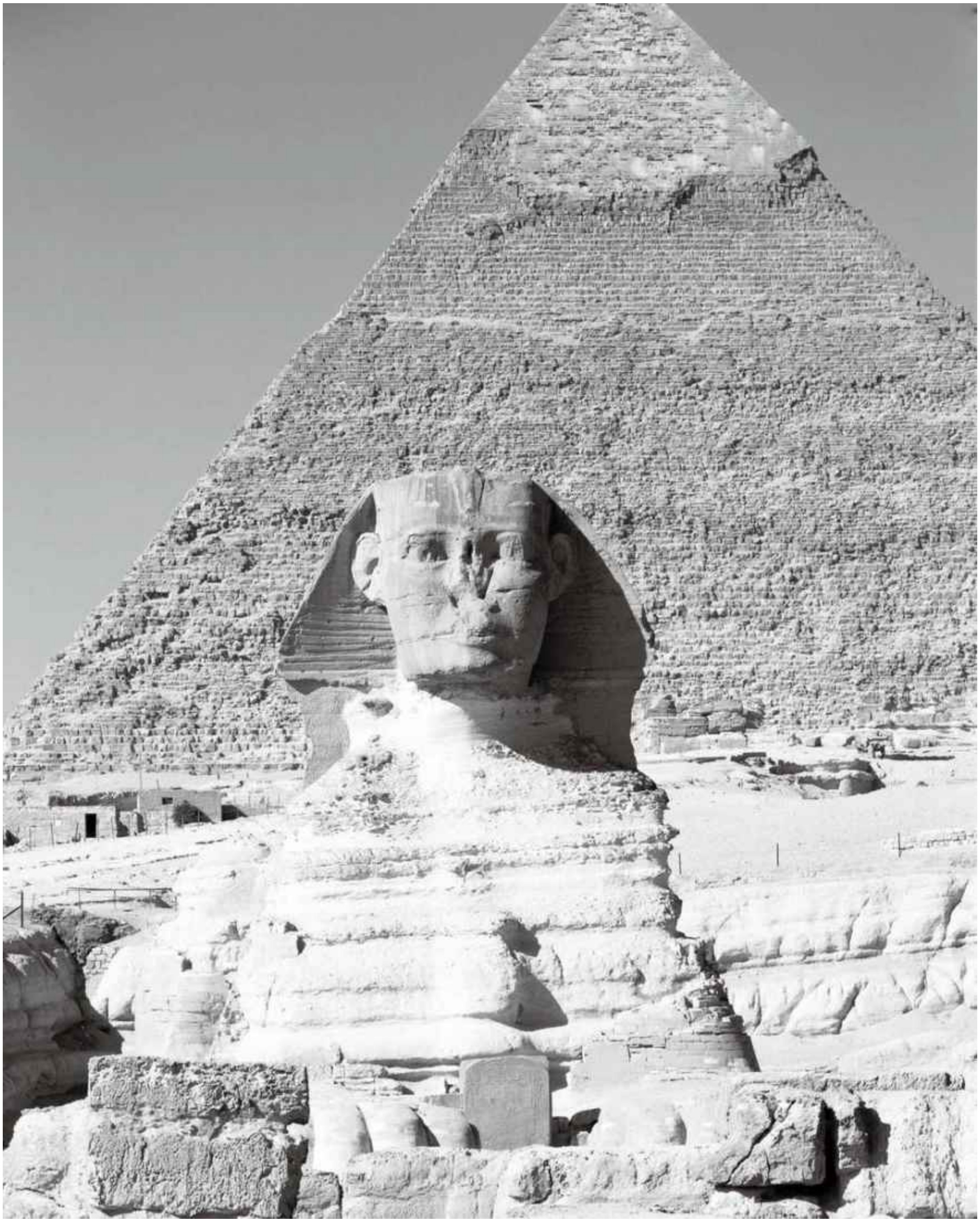
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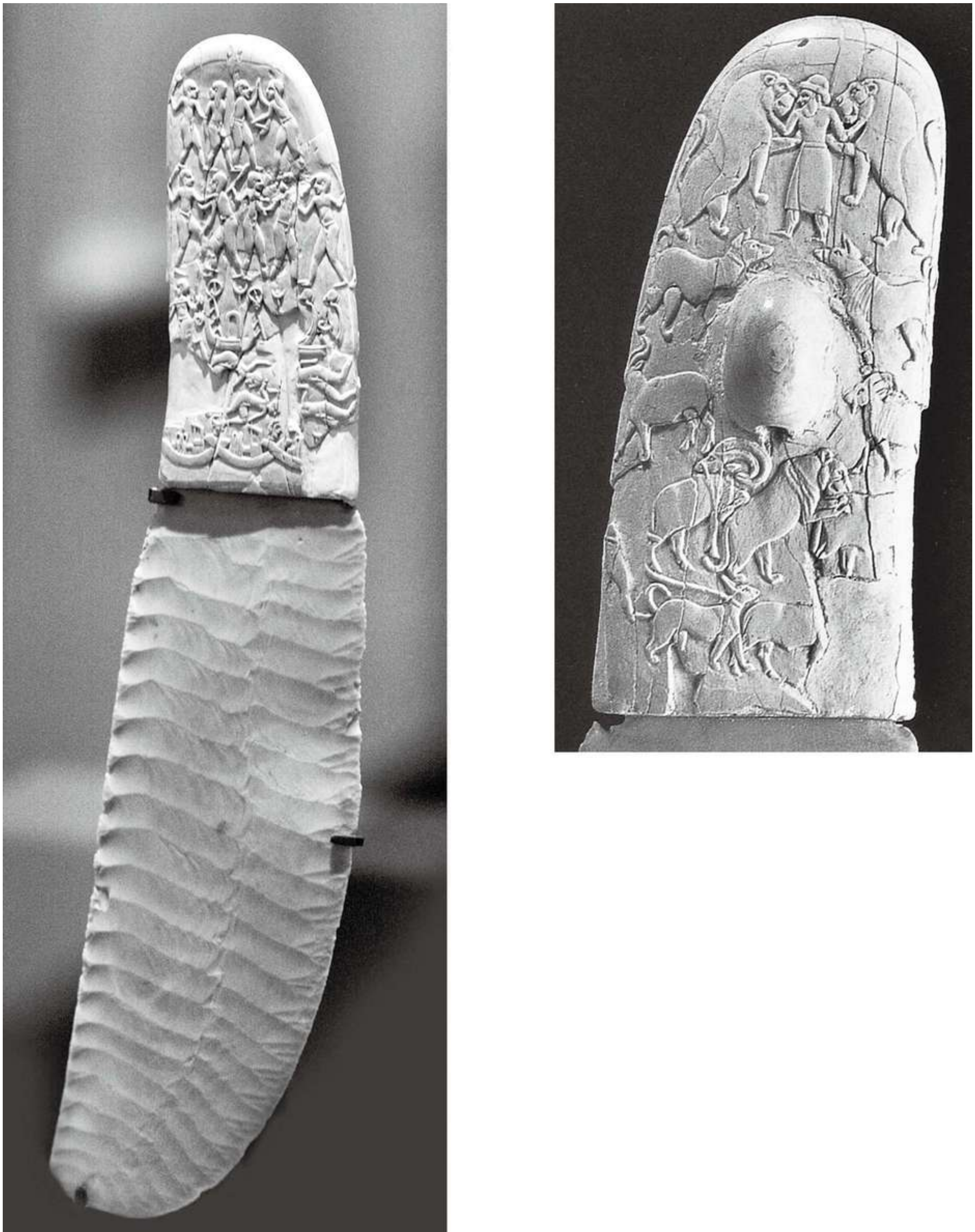
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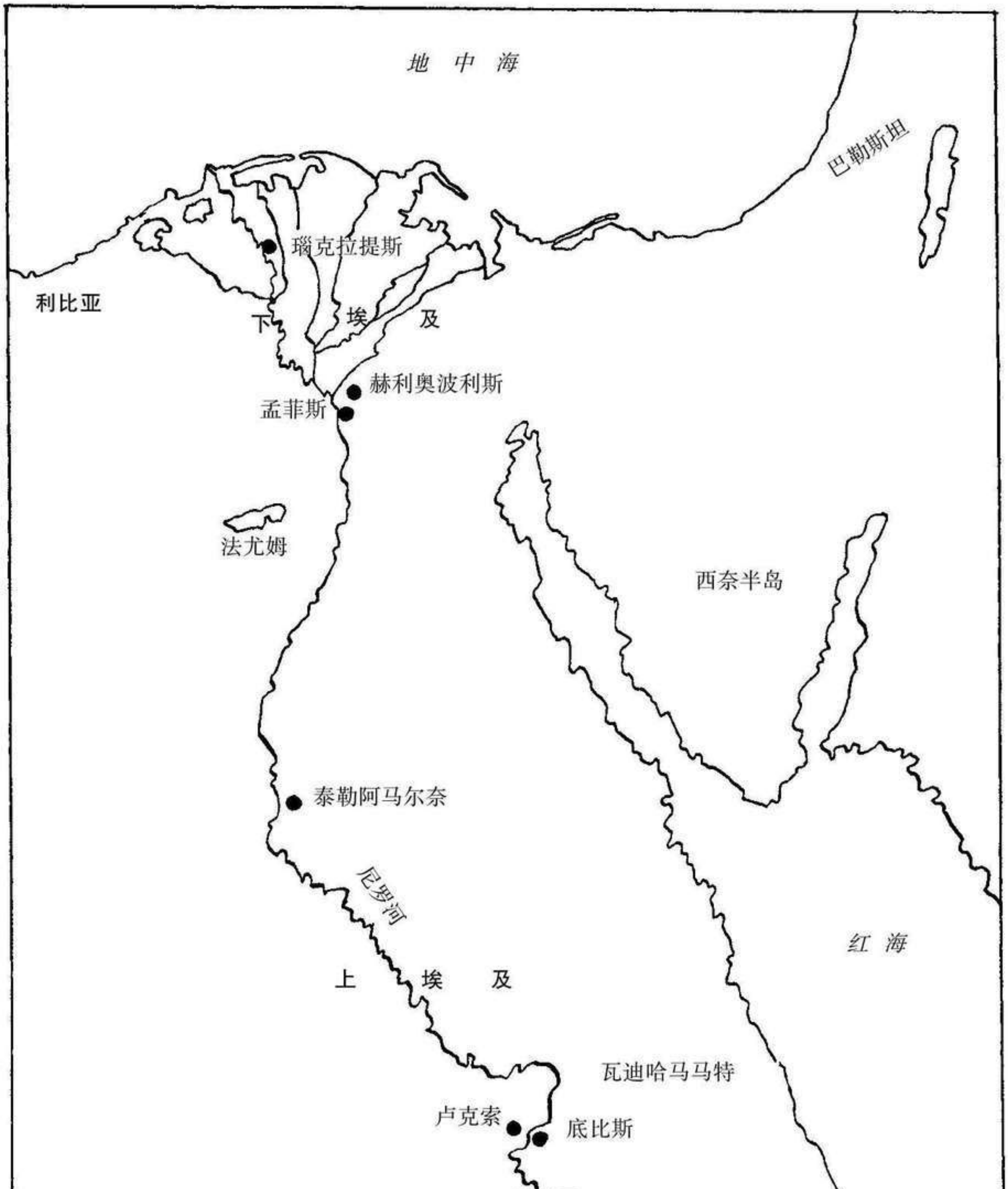
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瑙克拉提斯
利比亚
下
埃
及
赫利奥波利斯
孟菲斯
法尤姆
西奈半岛
泰勒阿马尔奈
尼罗河
红 海
上
埃
及
瓦迪哈马马特
卢克索
底比斯
努比亚

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Menes [5]

900

Libyans Asiatics

Nubians

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3100

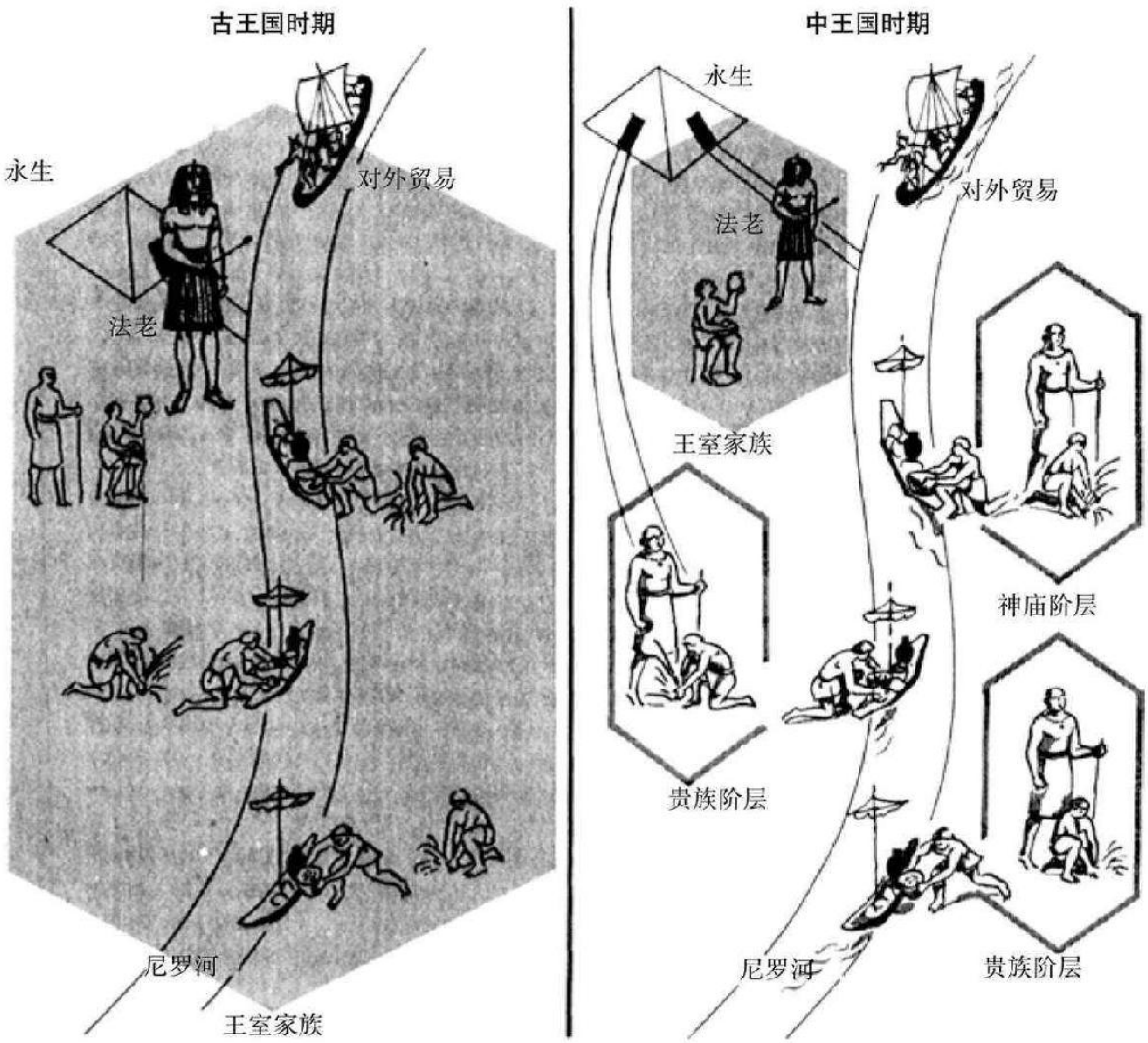
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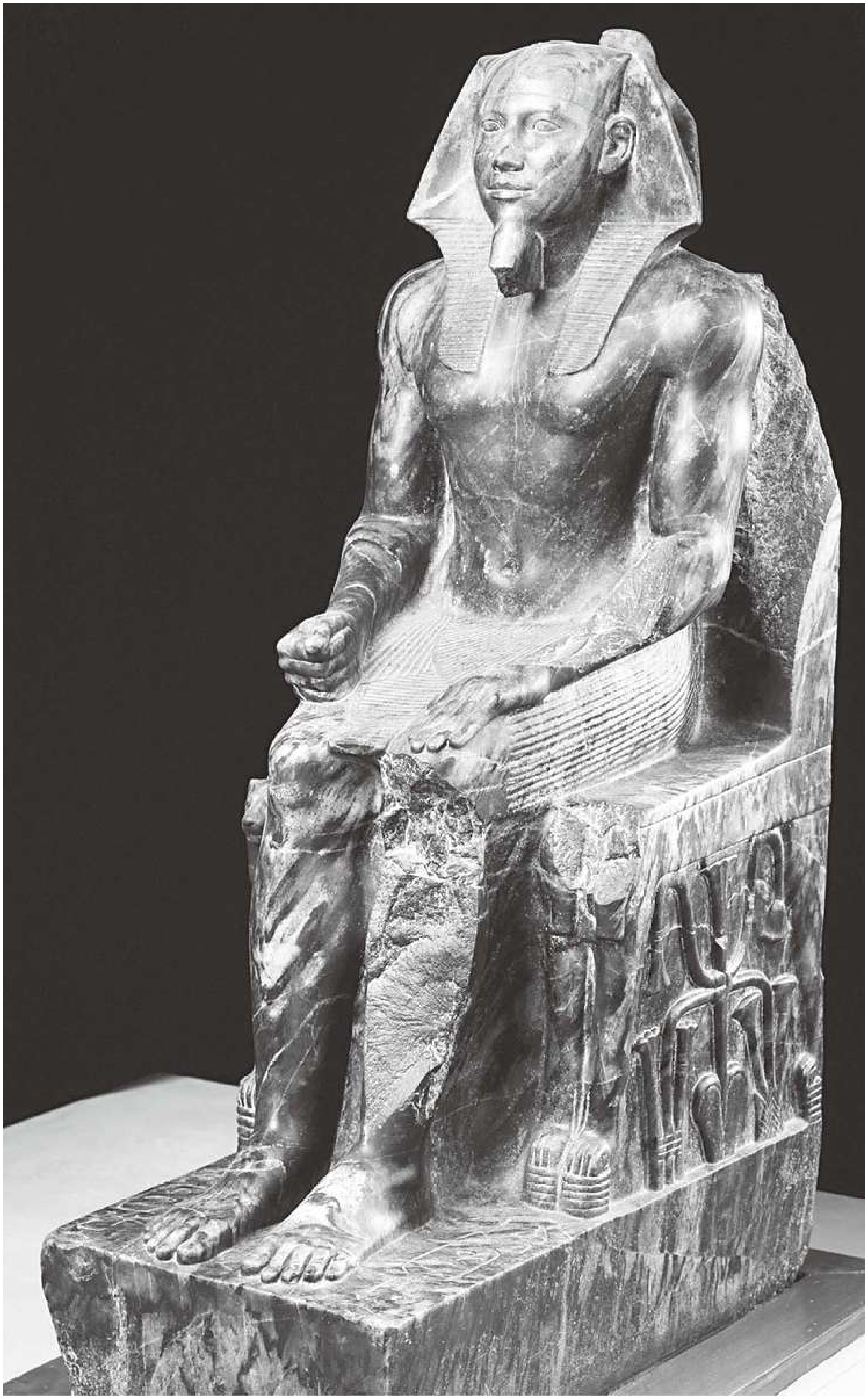

古王国时期
永生
对外贸易
法老
尼罗河
王室家族
中王国时期
永生
对外贸易
法老
王室家族
神庙阶层
贵族阶层
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贵族阶层

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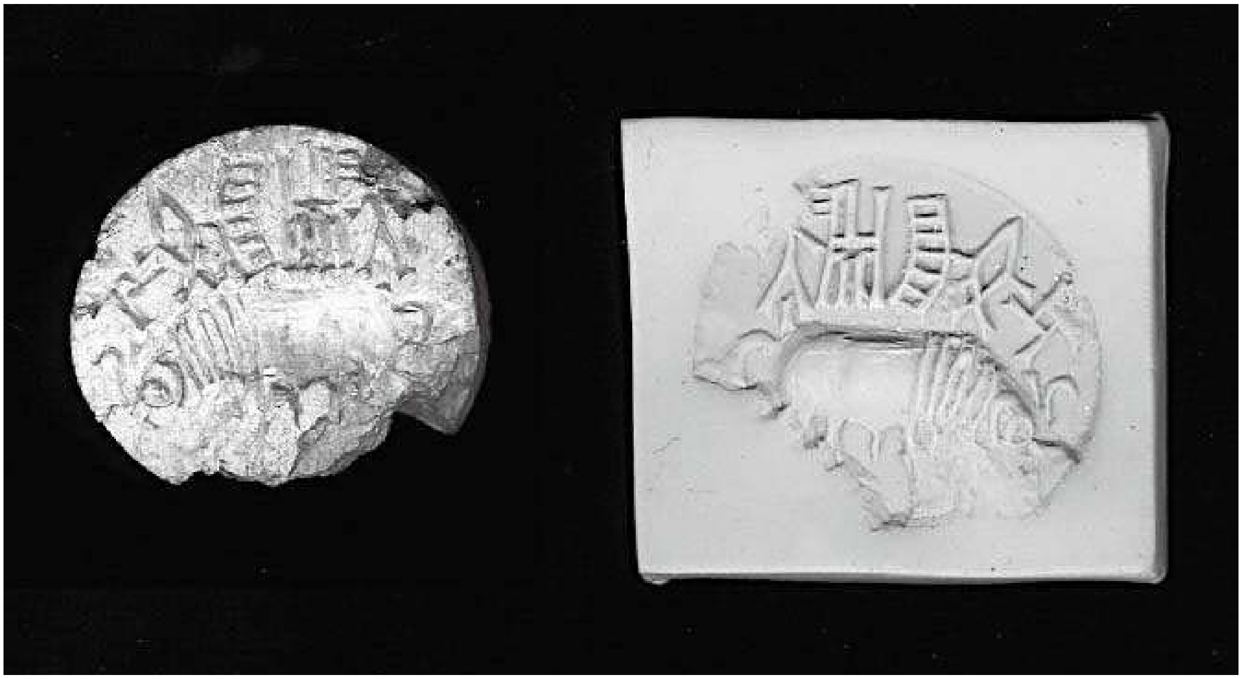
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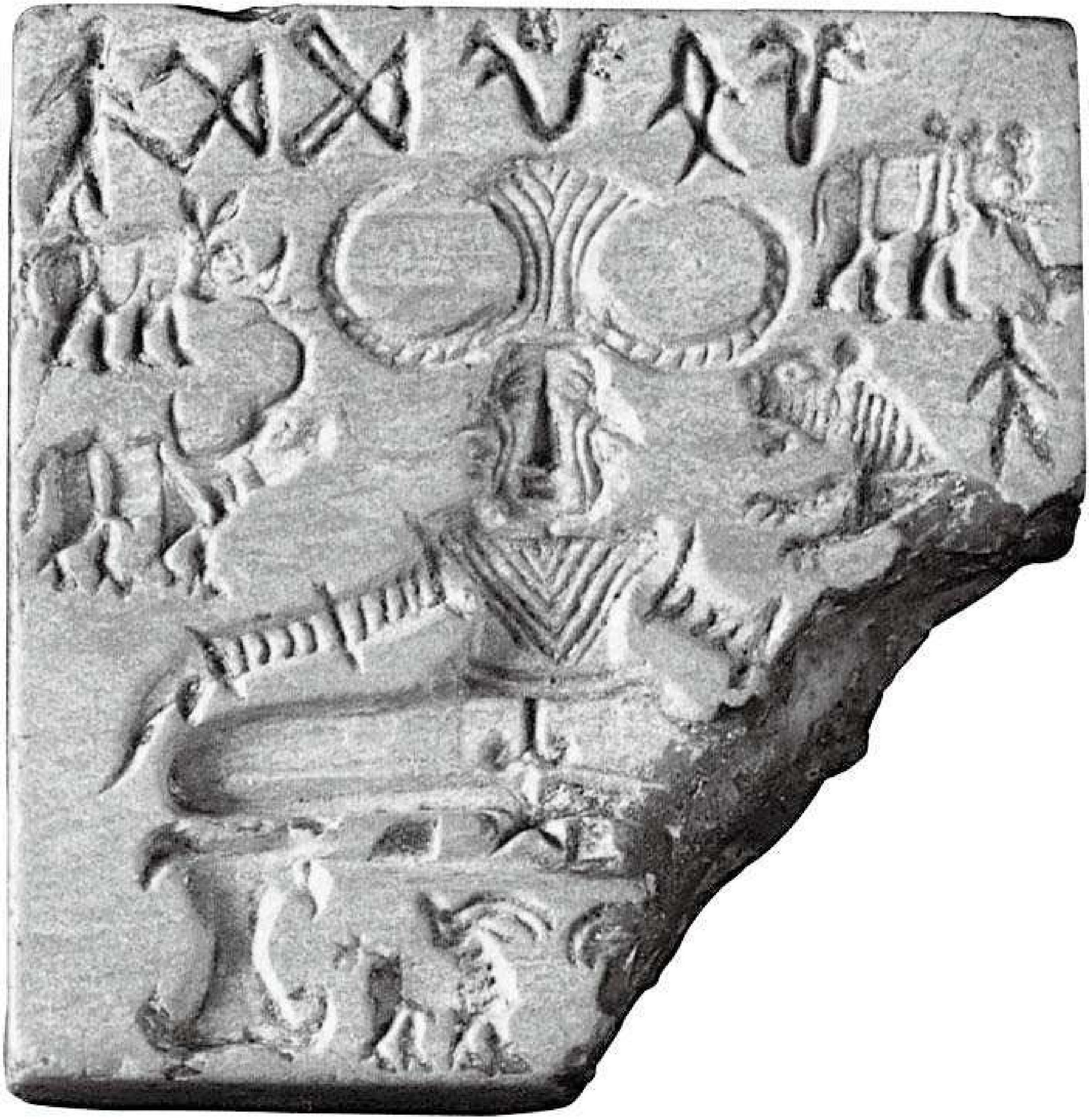
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[44]

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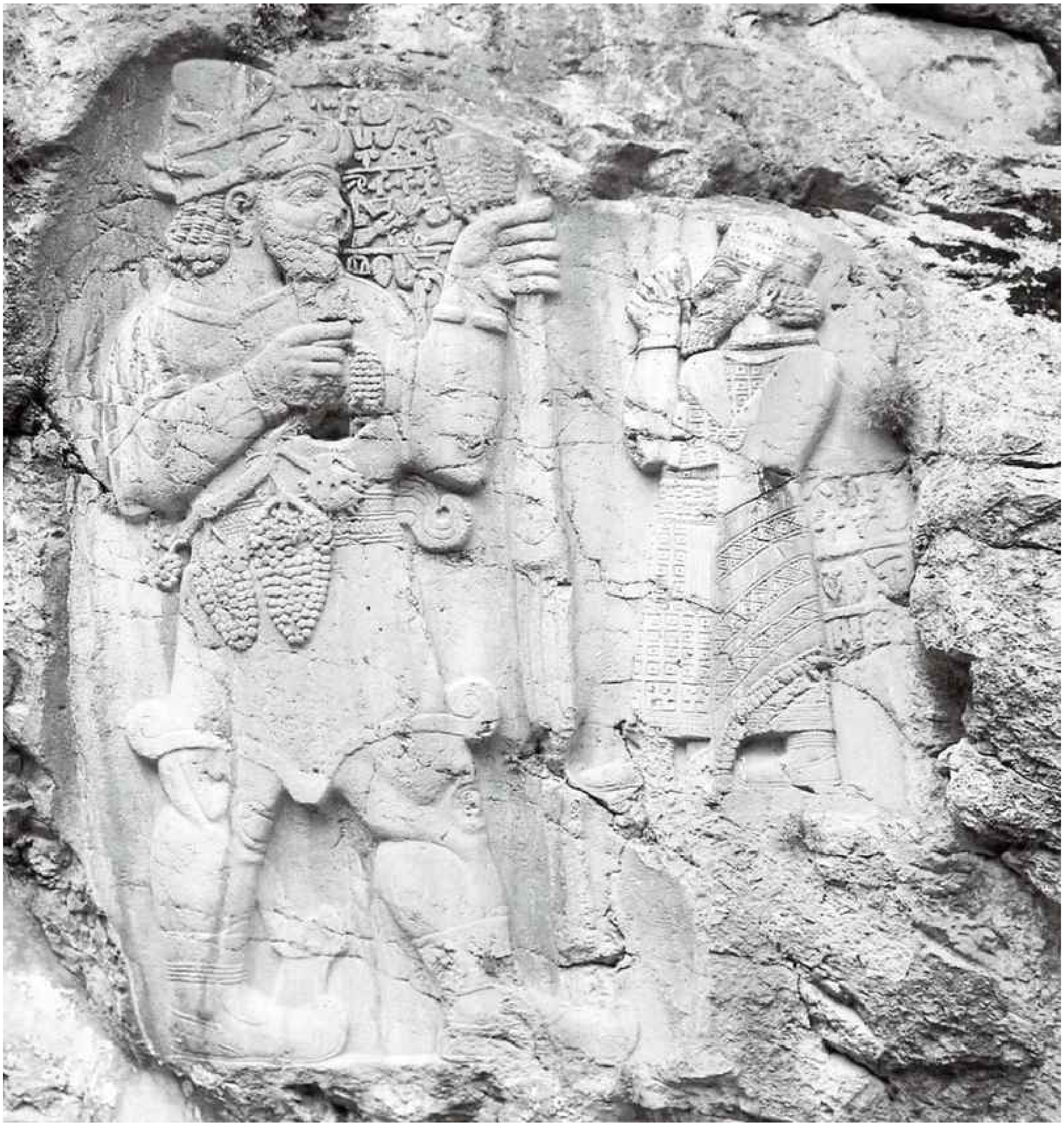
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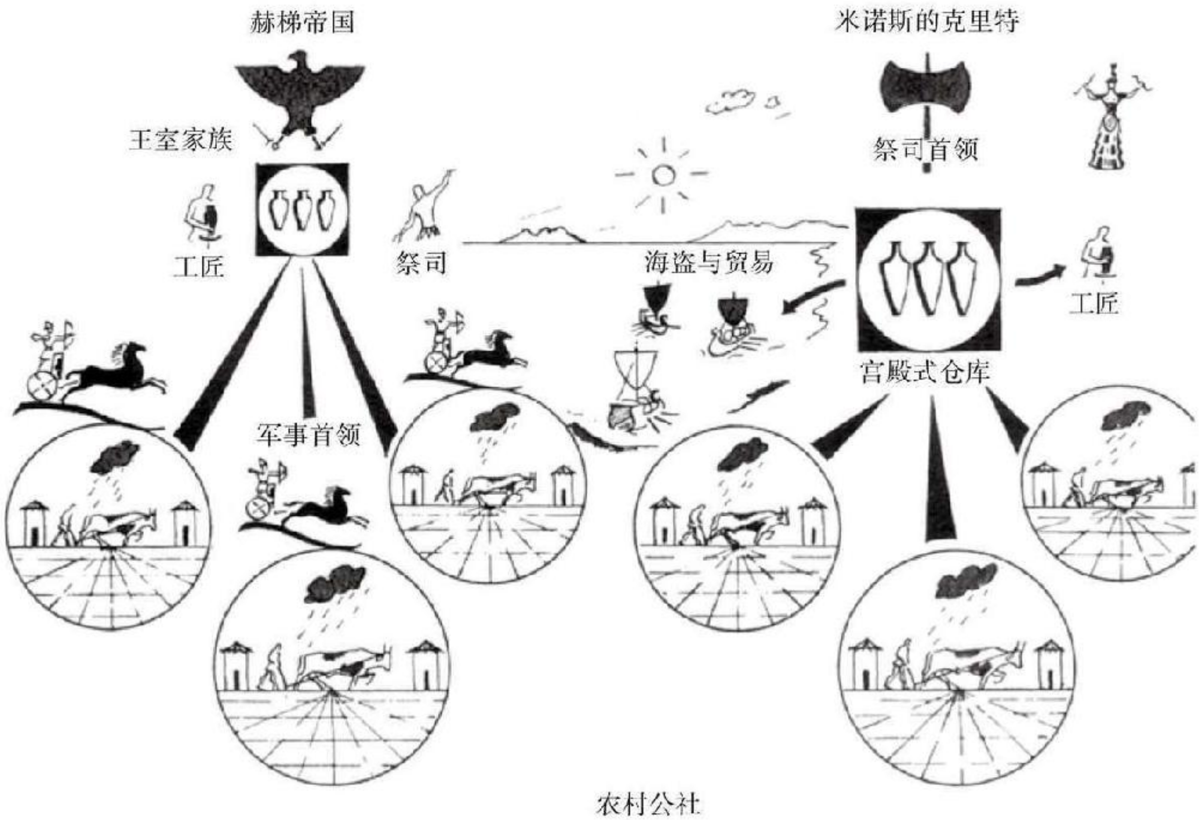
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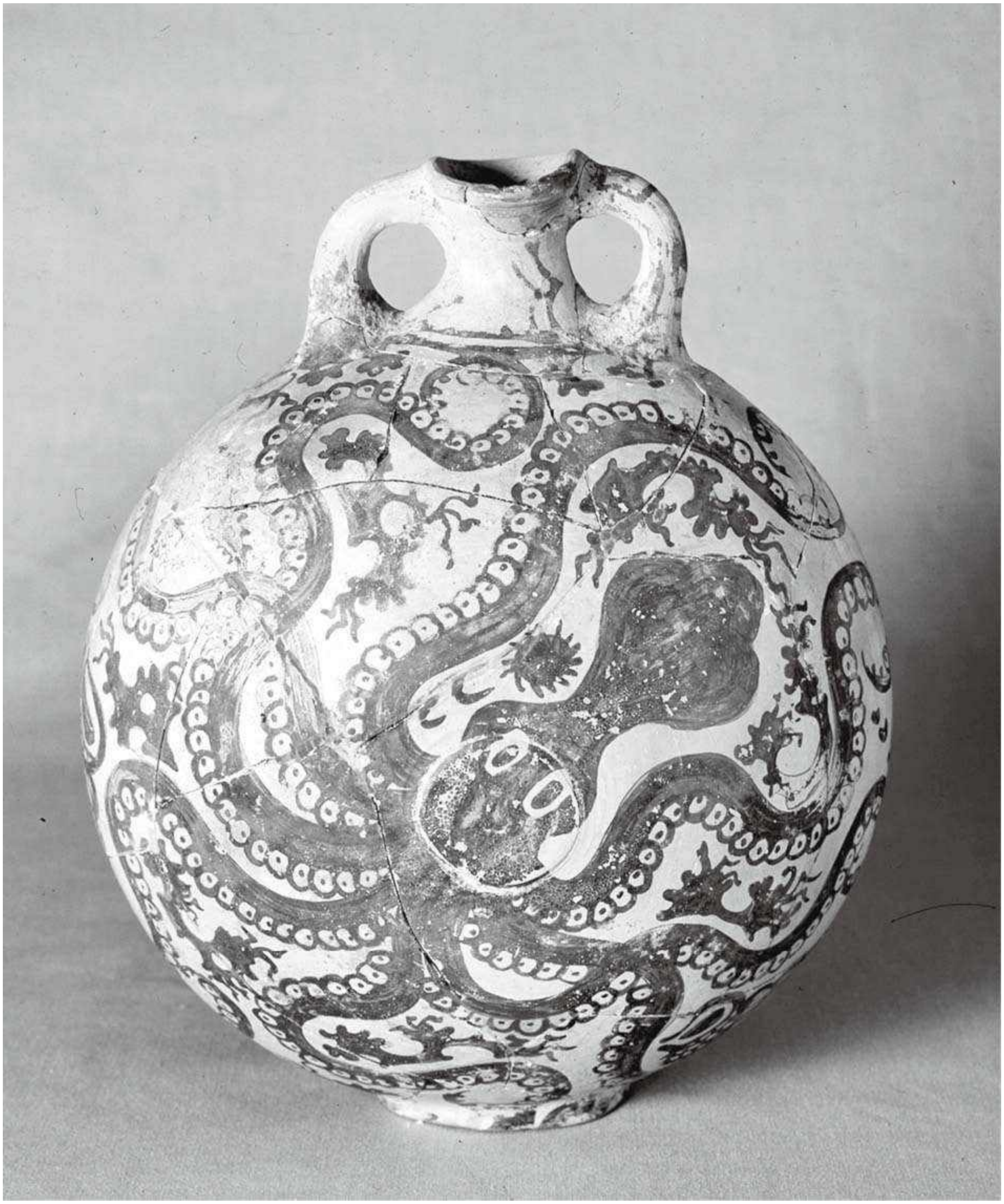
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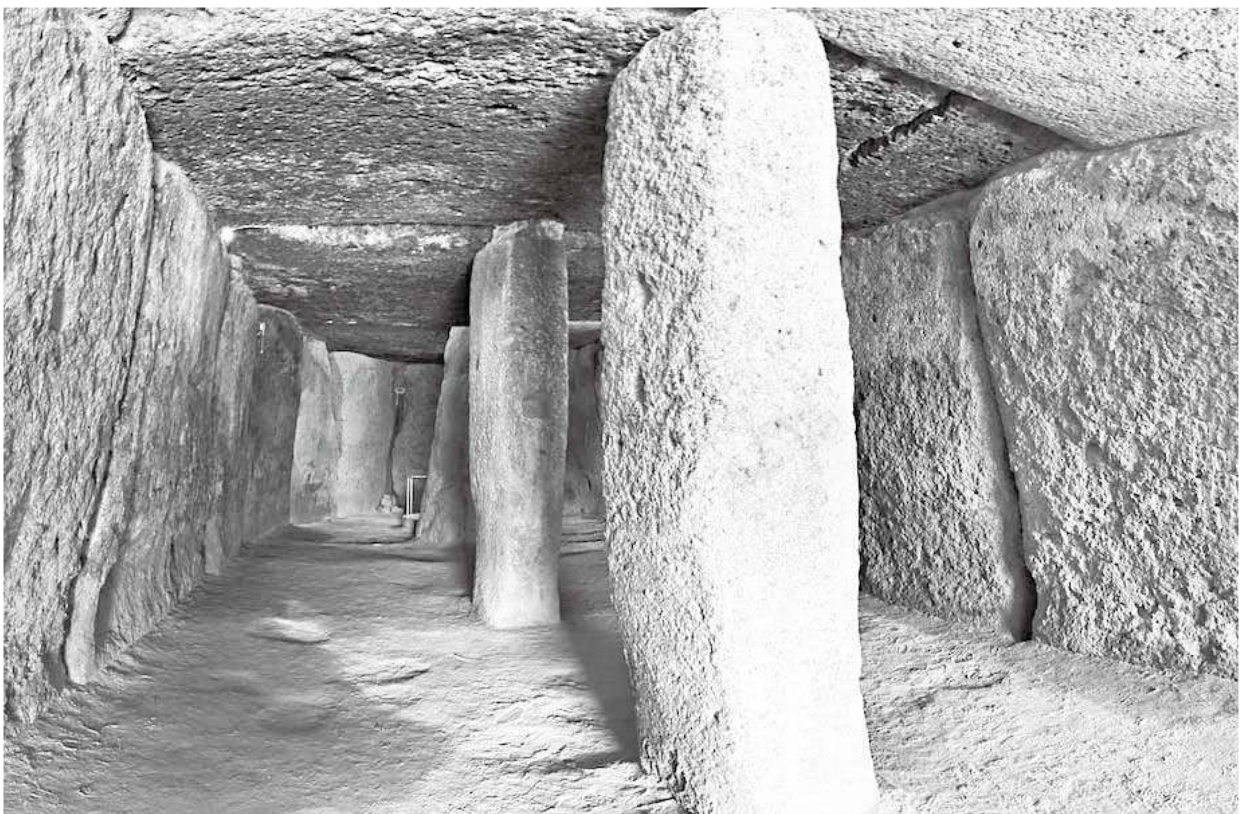


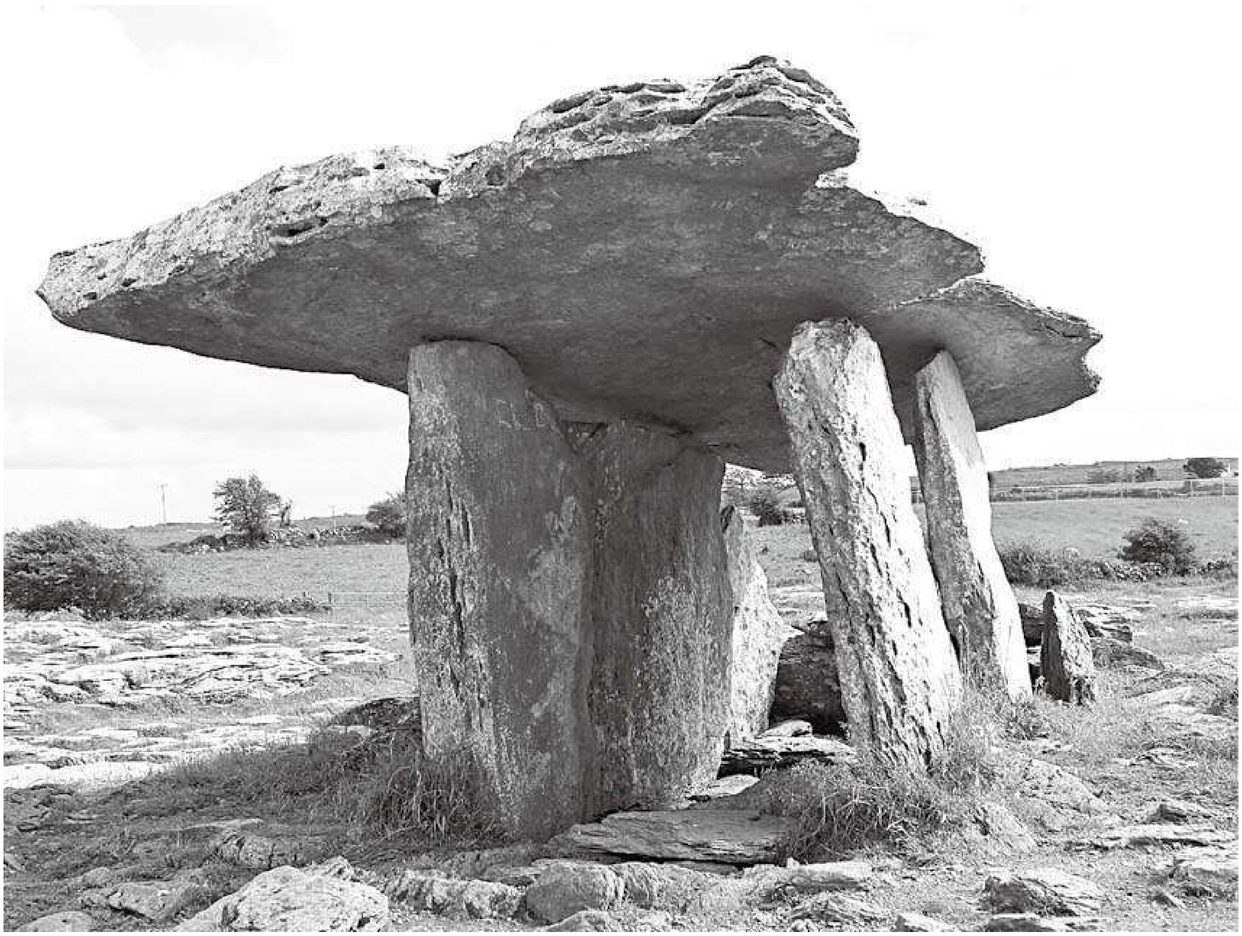
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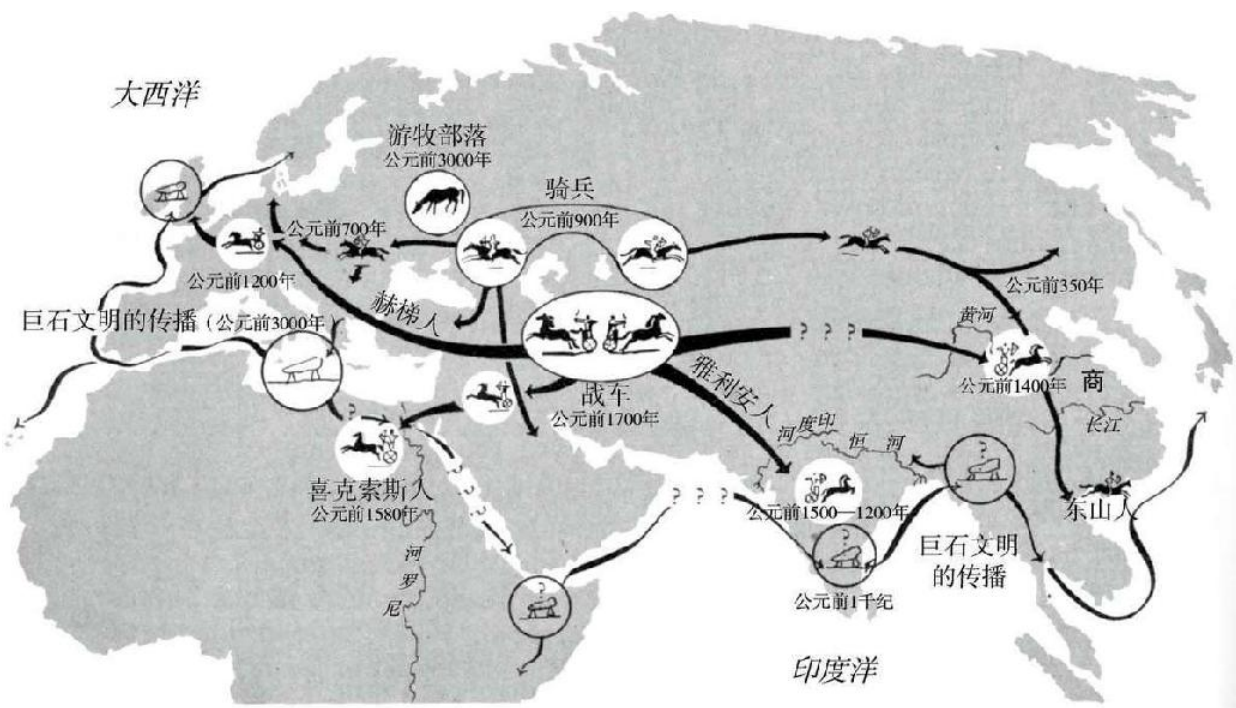
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[illegible] [68] [illegible]1700[illegible]

[illegible]3000[illegible] [69] [illegible]“[illegible]”[illegible]



大西洋
游牧部落
公元前3000年
骑兵
公元前900年
公元前700年
公元前1200年
赫梯人
巨石文明的传播（公元前3000年）
战车
公元前1700年
雅利安人
公元前350年
黄河
公元前1400年
商
长江
印度河
恒河
喜克索斯人
公元前1580年
尼罗河
公元前1500—1200年
巨石文明
的传播
公元前1千纪
东山人
印度洋

□□□3000—□300□□□□□□□

Mitanni

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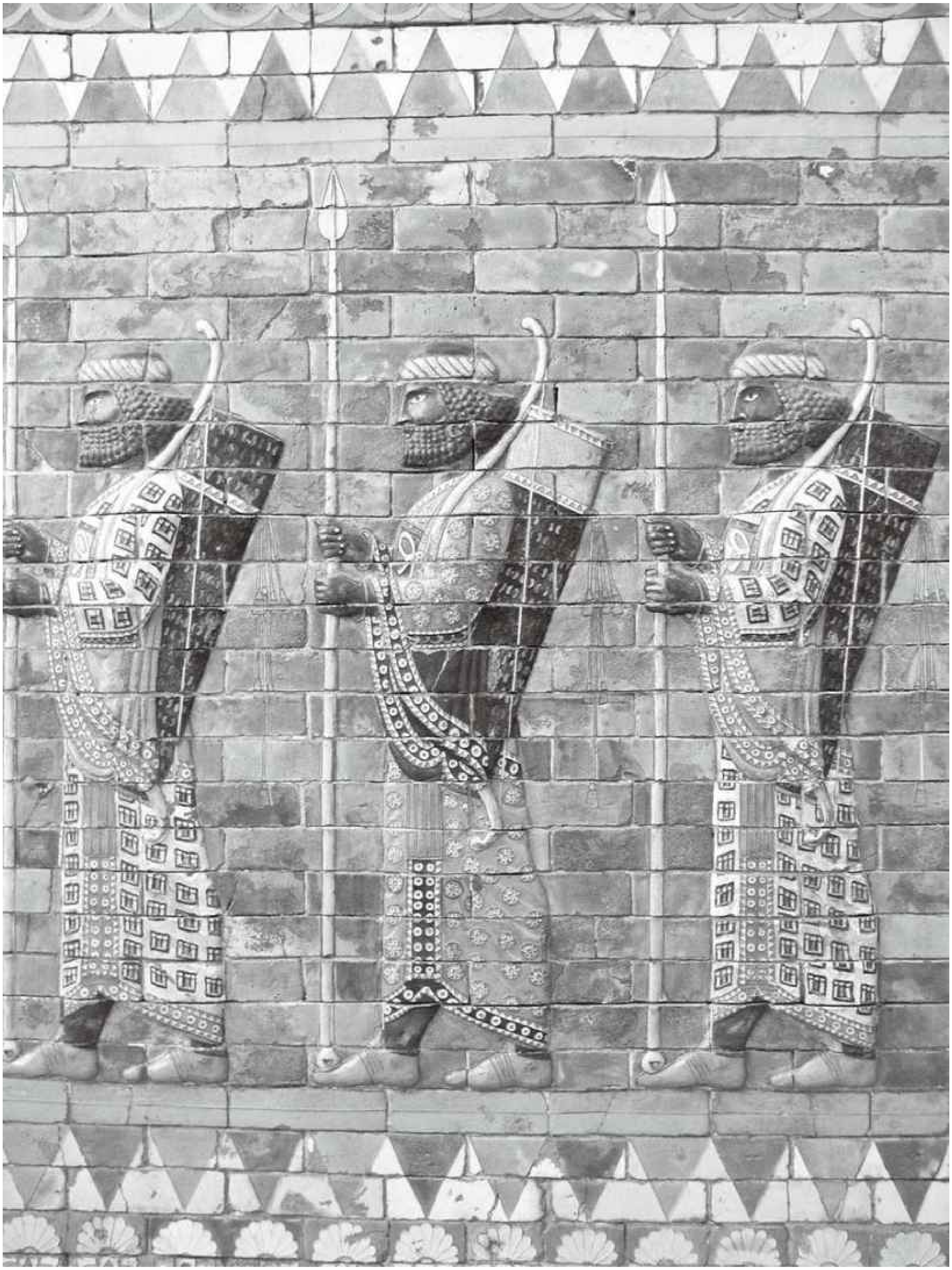
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200 Tarim Basin

1500 1200 [78]

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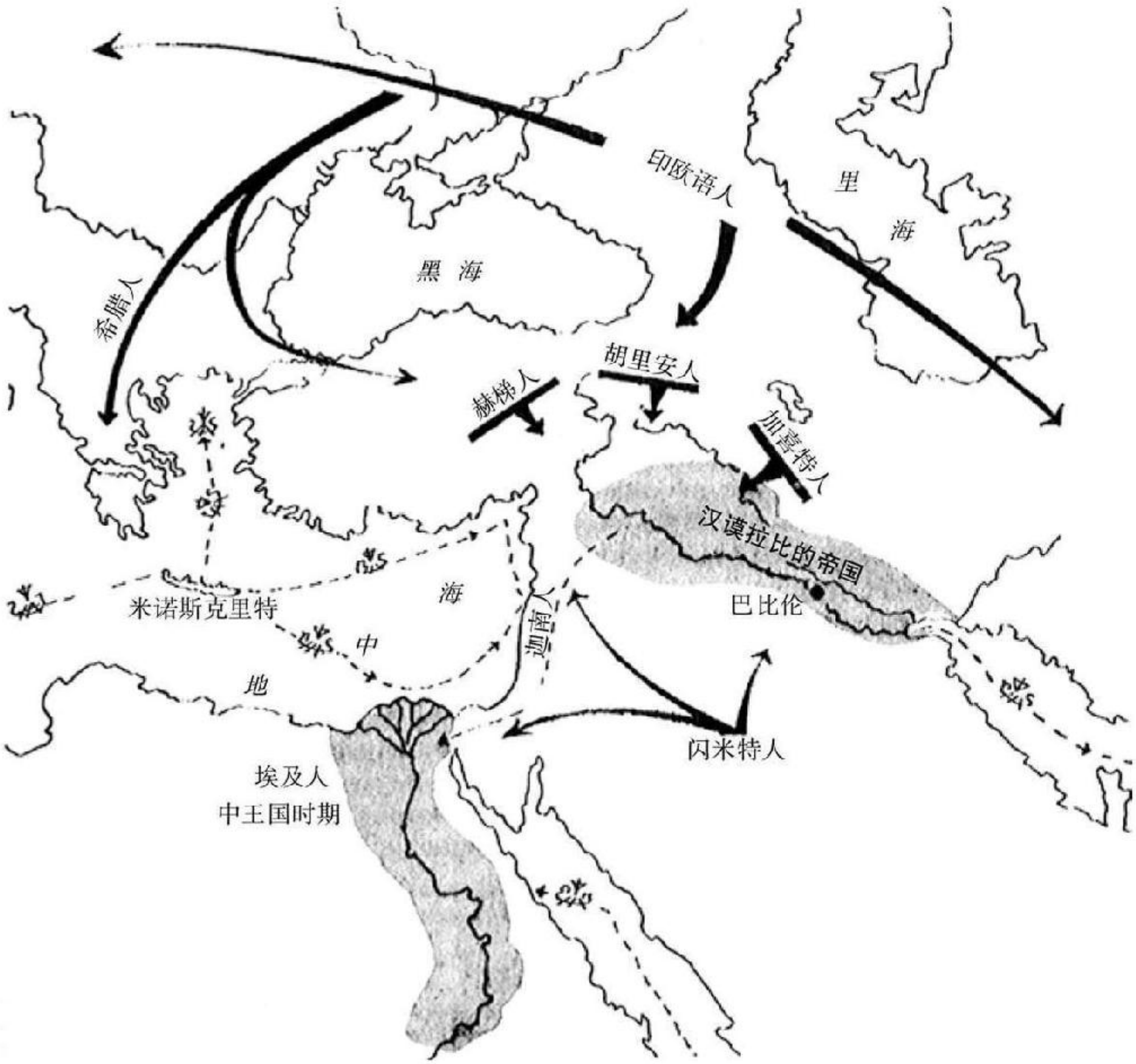
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[illegible]1525[illegible]



印欧语人
里
海
黑 海
希腊人
胡里安人
赫梯人
加喜特人
汉谟拉比的帝国
巴比伦
米诺斯克里特
海
中
地
迦南人
闪米特人
埃及人
中王国时期

[illegible]1700[illegible]

[illegible]

[illegible][1]

[illegible] 15 [illegible]

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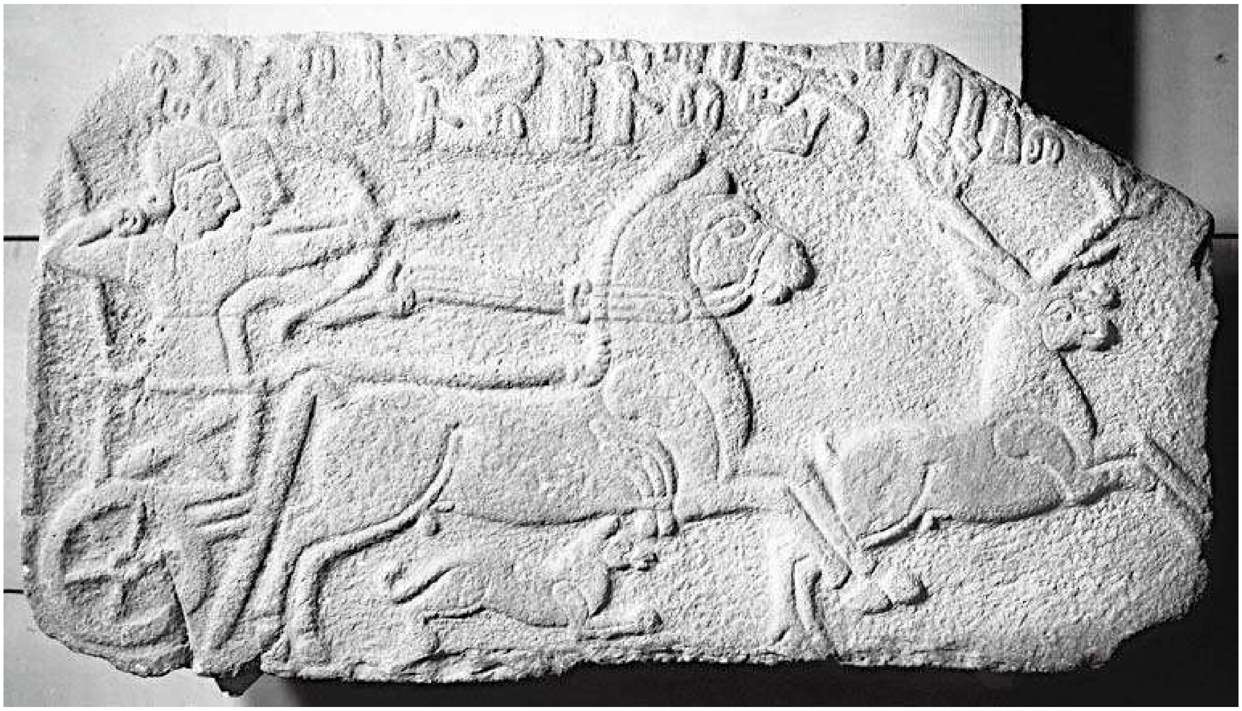
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2.[illegible]1200[illegible]Hebrews[illegible]Philistines[illegible]Aramaeans[illegible]Phrygians[illegible]Dorians[illegible]Chaldaeans[illegible]Medes[illegible]

3.[illegible]1100[illegible]“[illegible]”[illegible]745—[illegible]612[illegible]Babylonia[illegible]







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612—606 Nineveh

4. 550 Cambyses 525

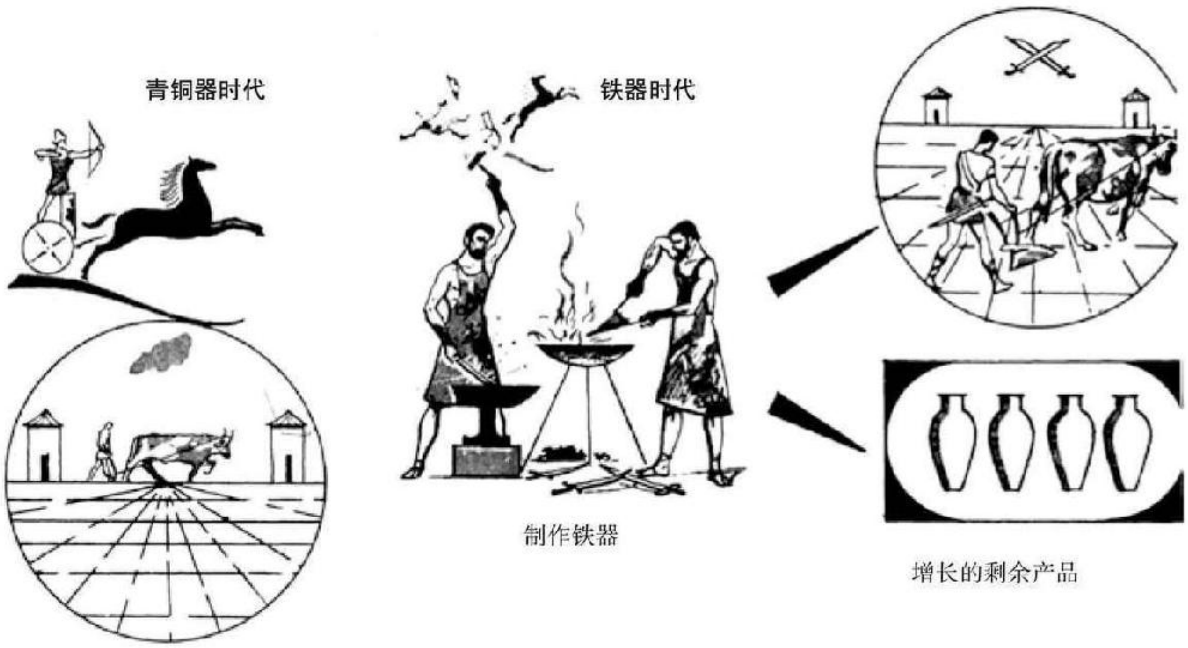
Macedonia Thrace 479 Salamis Plataea 334—330

1500

500 499 Ionia 500

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[5]

Ikhnaton 1380— 1362

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David Solomon
1020—925
“ ” [15]
Nathan [16]
Uriah
8 Yahweh

Damascus Tyre Hamath
Aleppo Carchemish
1000

Tiglath-PilesarⅢ 745—727

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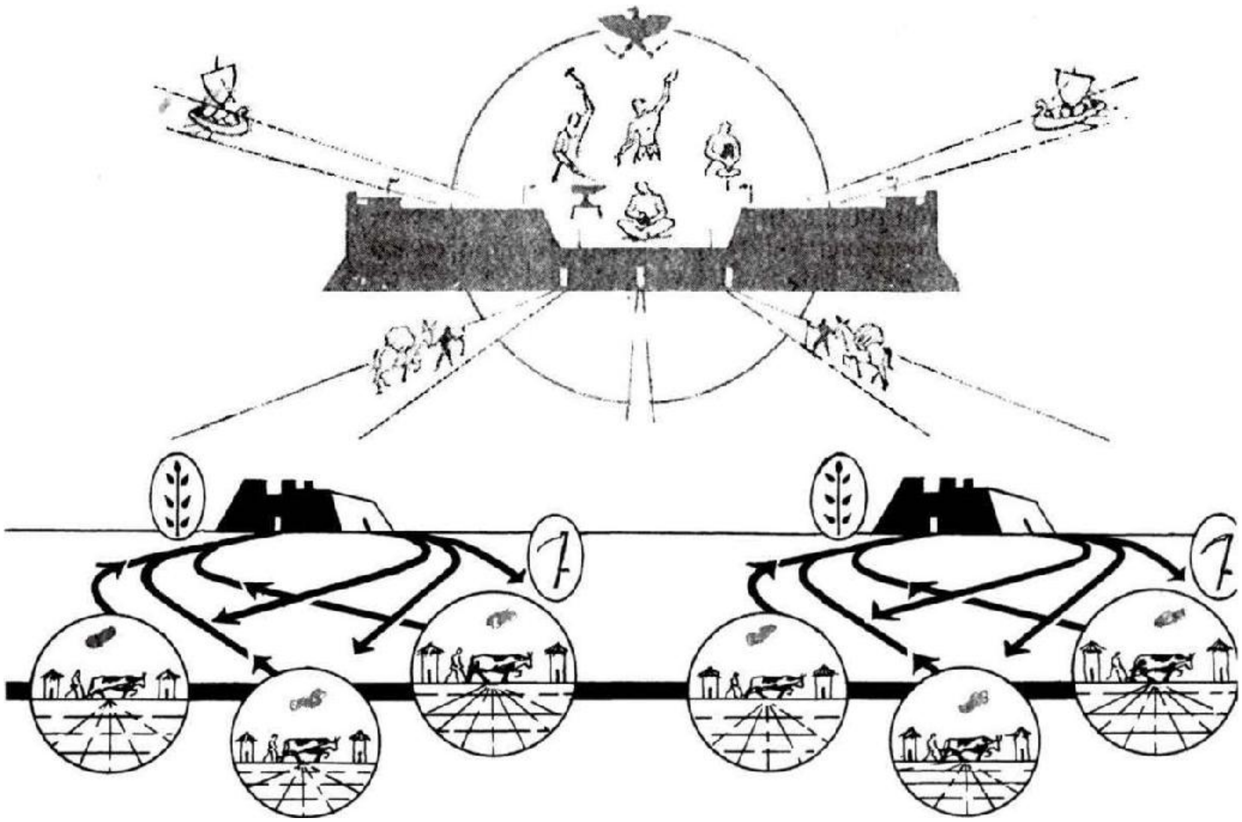
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Nabonidus

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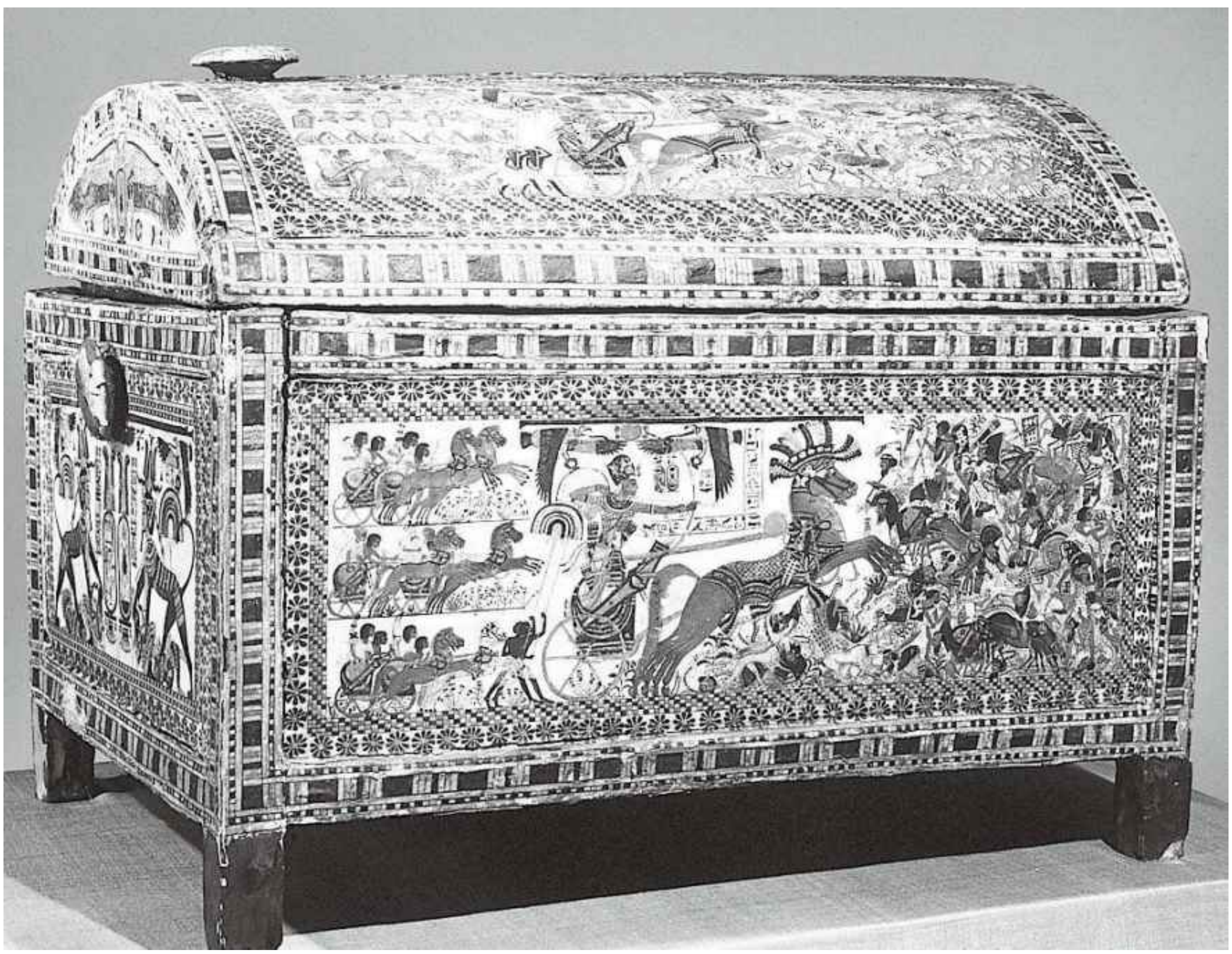
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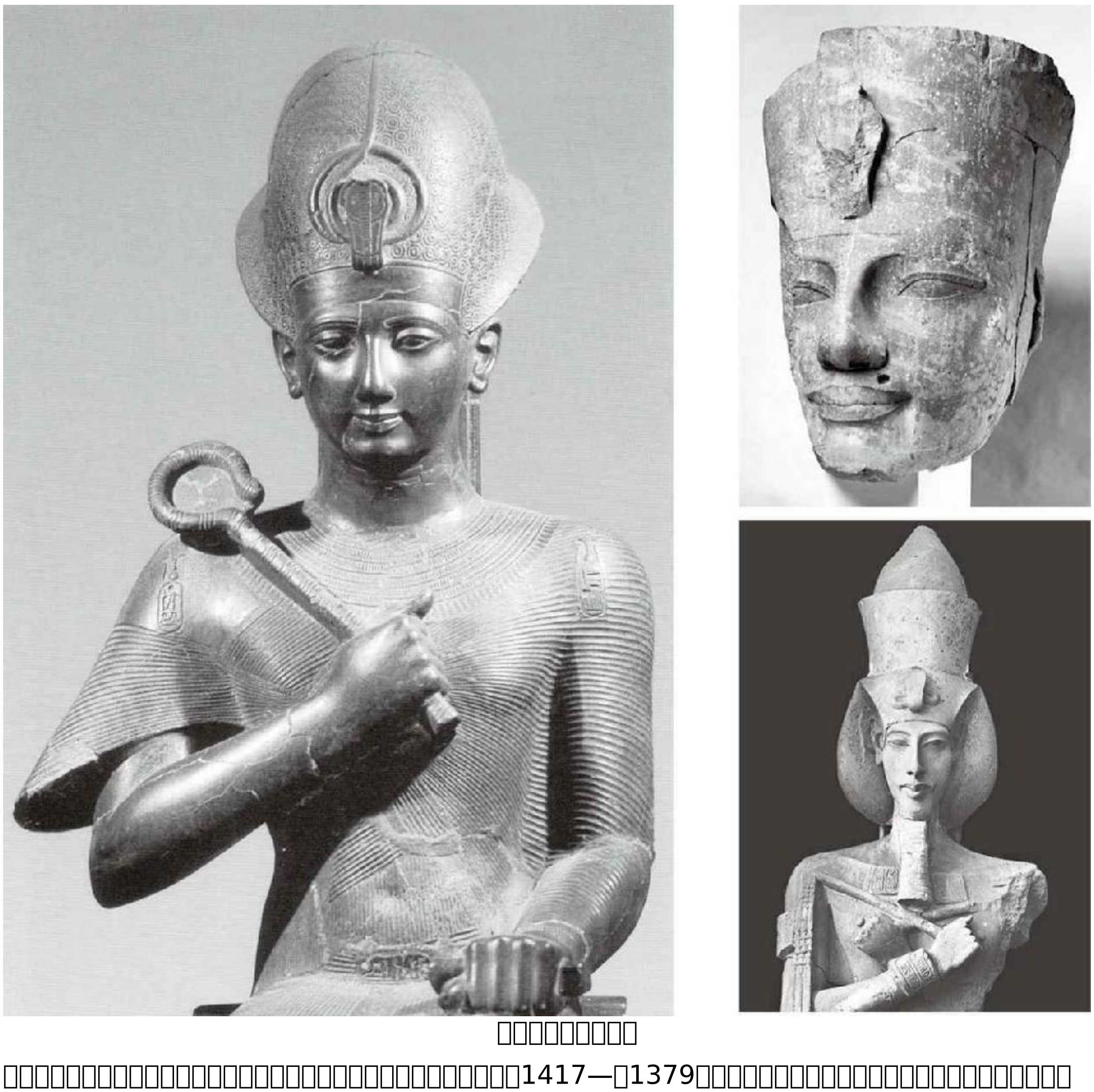
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“[illegible]”[illegible]*Hymn to Aton*[illegible][36]

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□□1417—□1379□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□□□□□□□□□□□□□□□1380—□1362□□□
□RamesesⅡ□□□□1290—□1223□□□

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[illegible]10[illegible]

[illegible]——[illegible][46][illegible]

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1300

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1000

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Amos Jeremiah Isaiah

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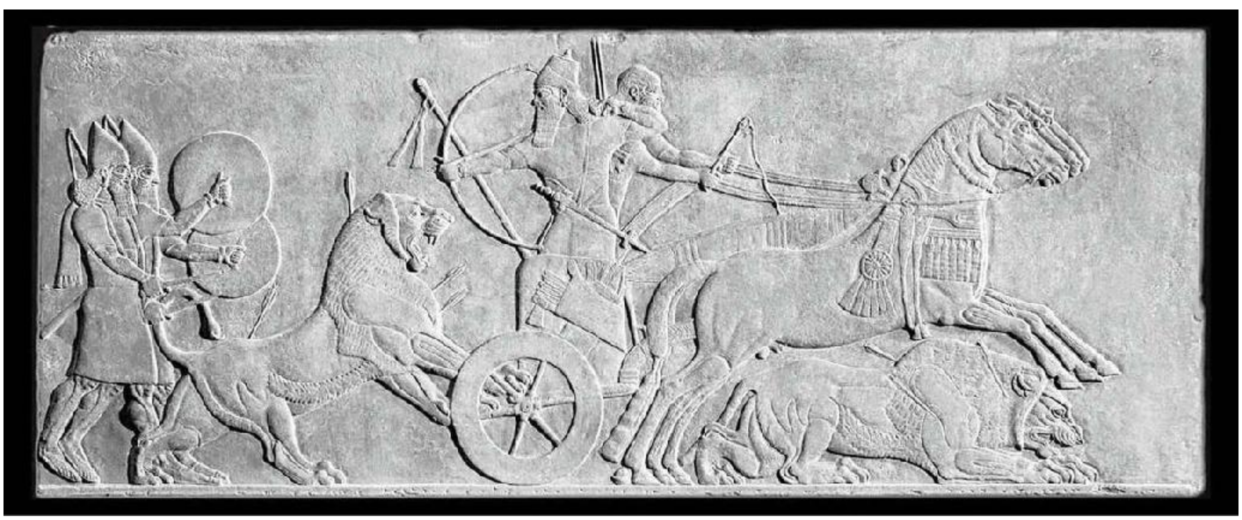
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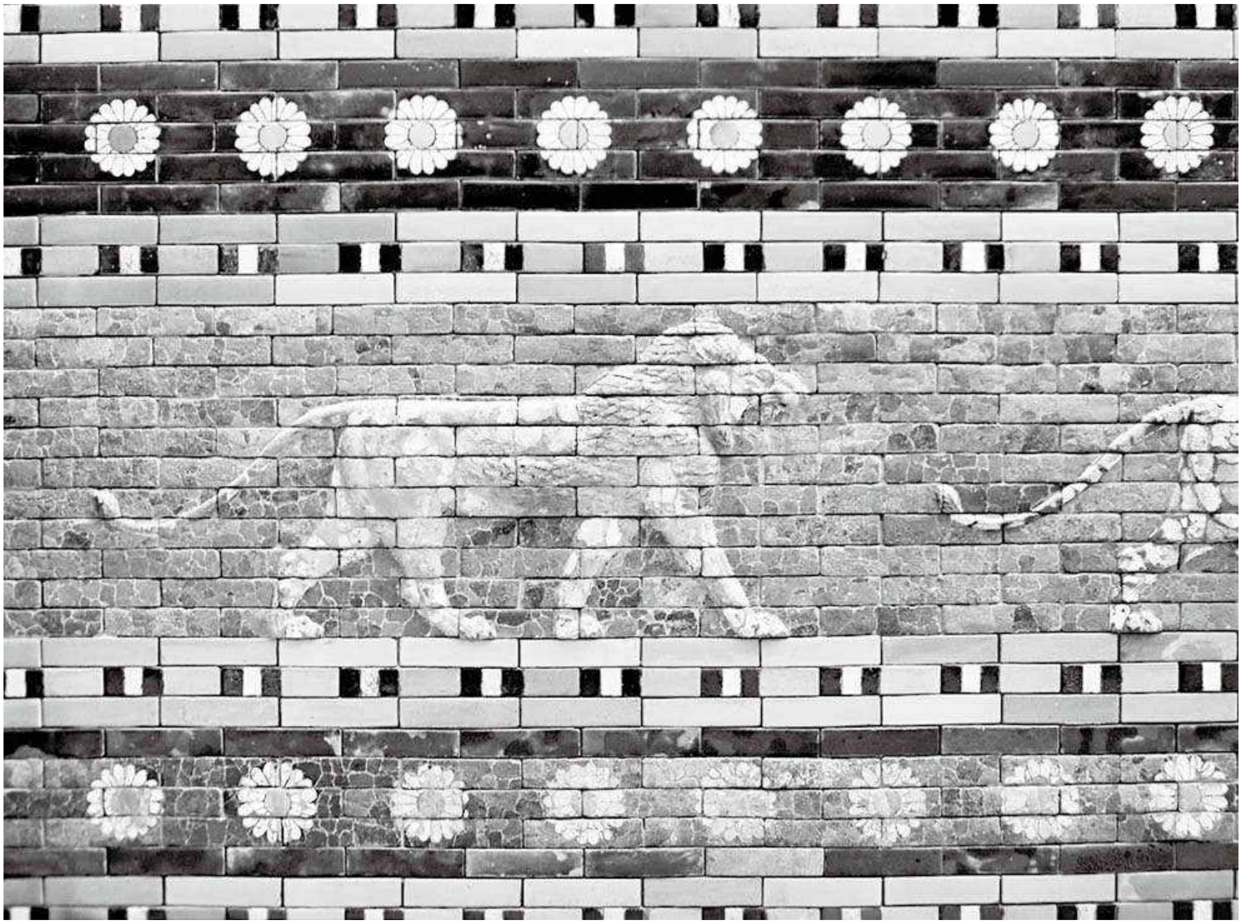
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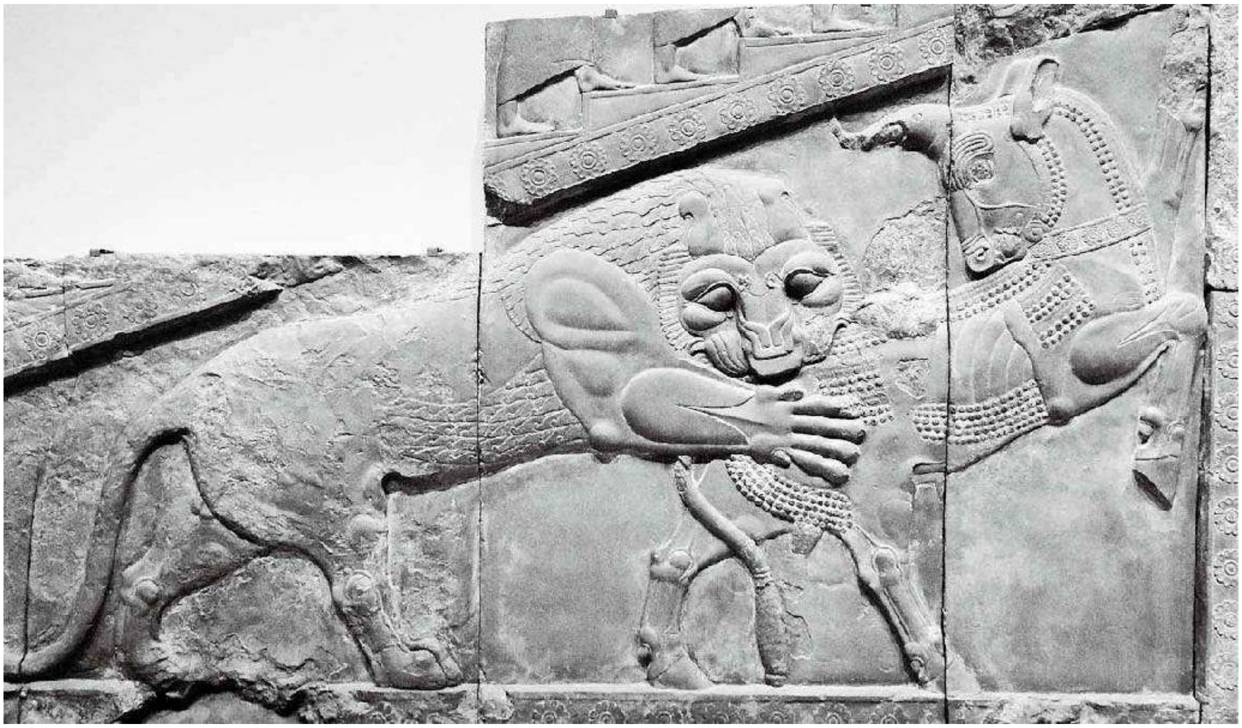
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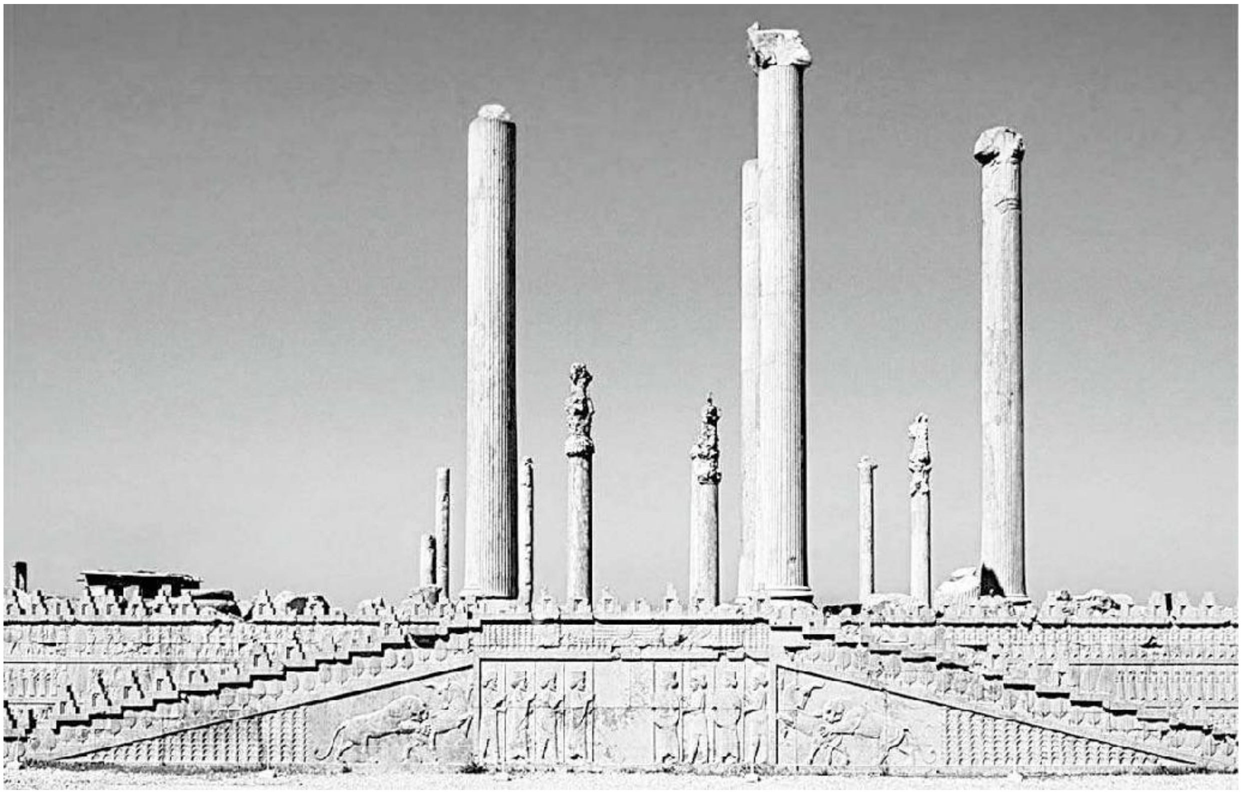
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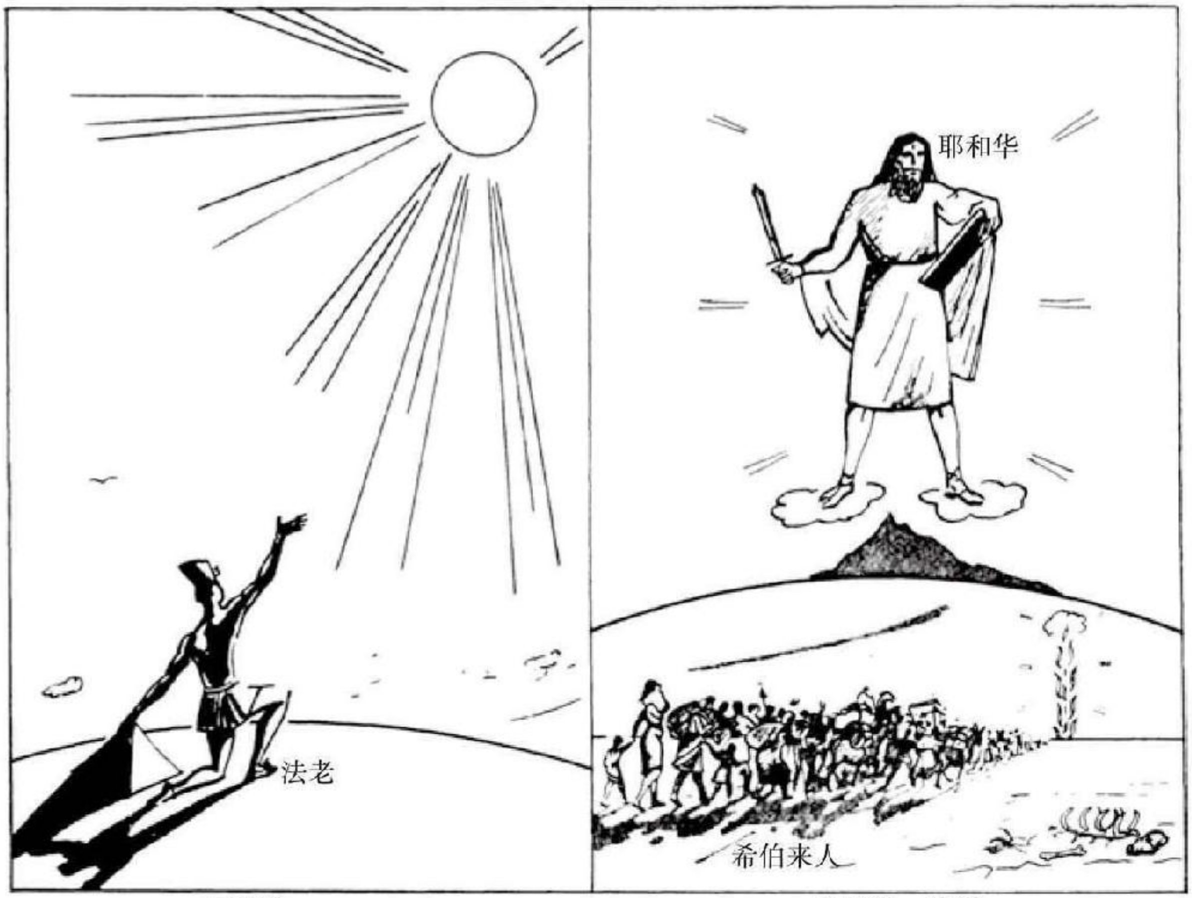
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397□□
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□Messiah□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

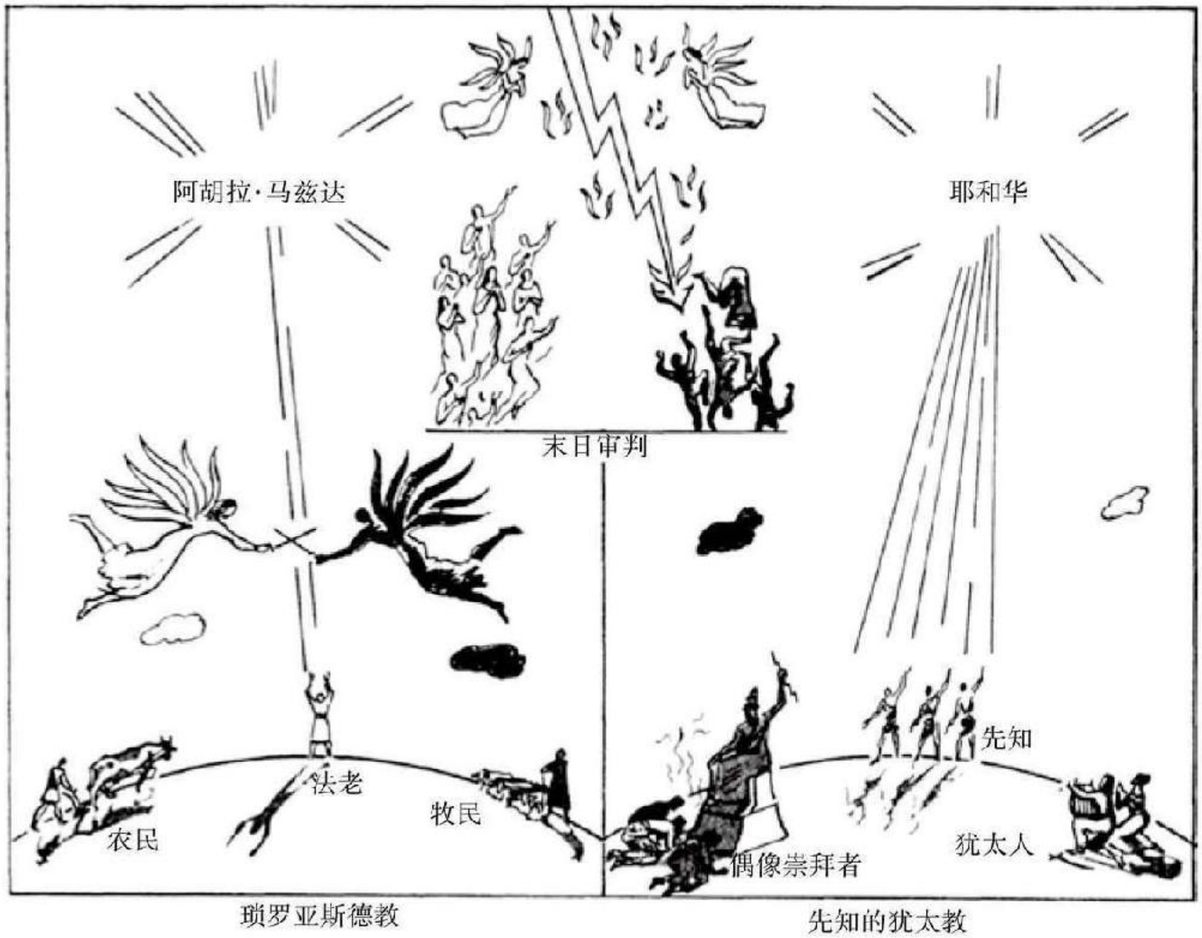
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阿吞教　　　　摩西的一神教

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[82]

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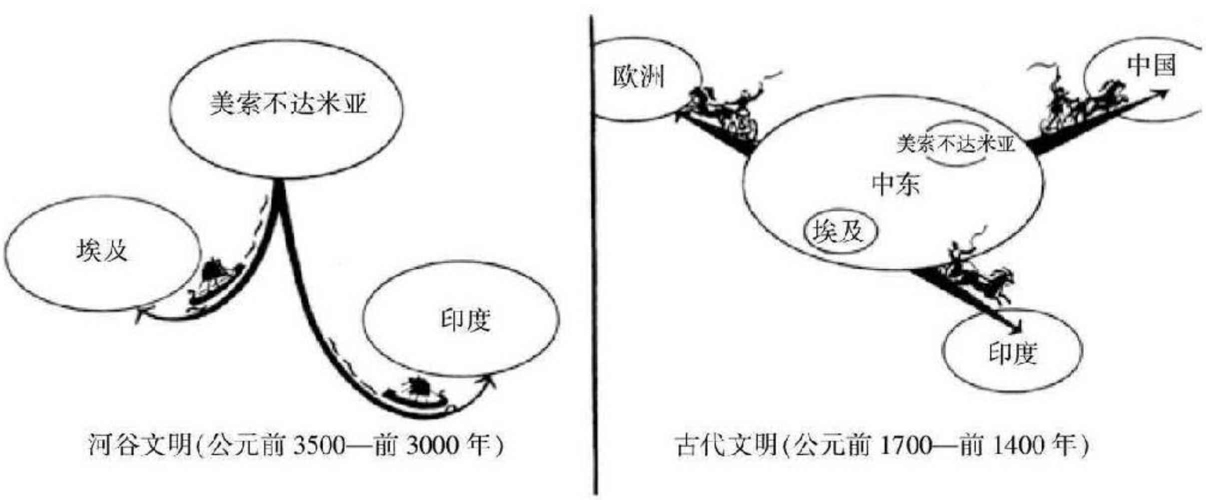
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美索不达米亚
埃及
印度
河谷文明(公元前3500—前3000年)
欧洲
中国
美索不达米亚
中东
埃及
印度
古代文明(公元前1700—前1400年)

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[illegible] 1700—[illegible] 500 [illegible] 500 [illegible] 2000 [illegible]

[illegible]

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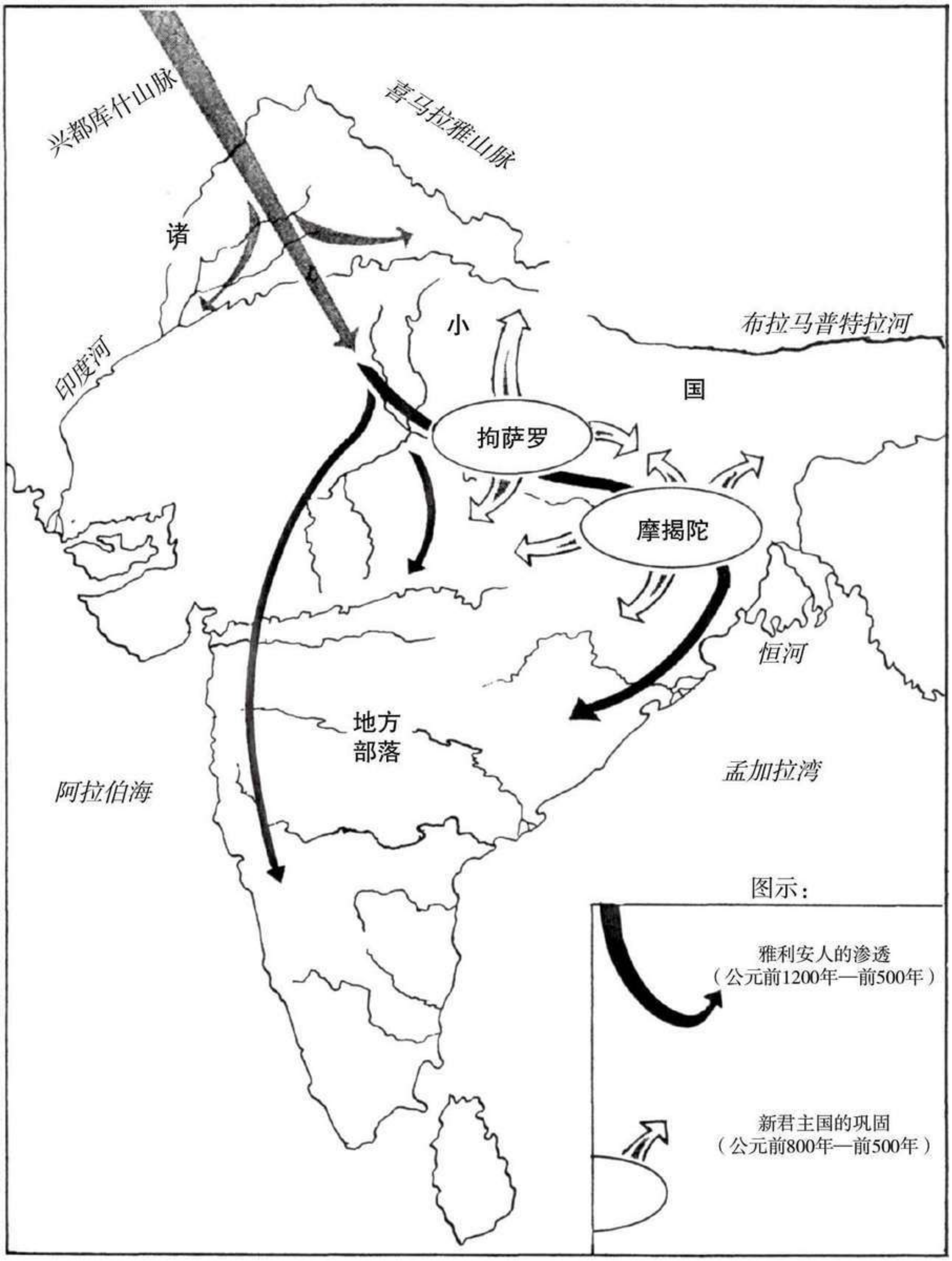
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兴都库什山脉
喜马拉雅山脉
诸
小
国
布拉马普特拉河
印度河
拘萨罗
摩揭陀
恒河
地方
部落
阿拉伯海
孟加拉湾
图示：
雅利安人的渗透
（公元前1200年—前500年）
新君主国的巩固
（公元前800年—前500年）

□□□□

[12] [13]

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[16]

Brahmanas Kshatriyas Vaisyas Sudras

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6

Upanishads

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Brahman Atman Karma

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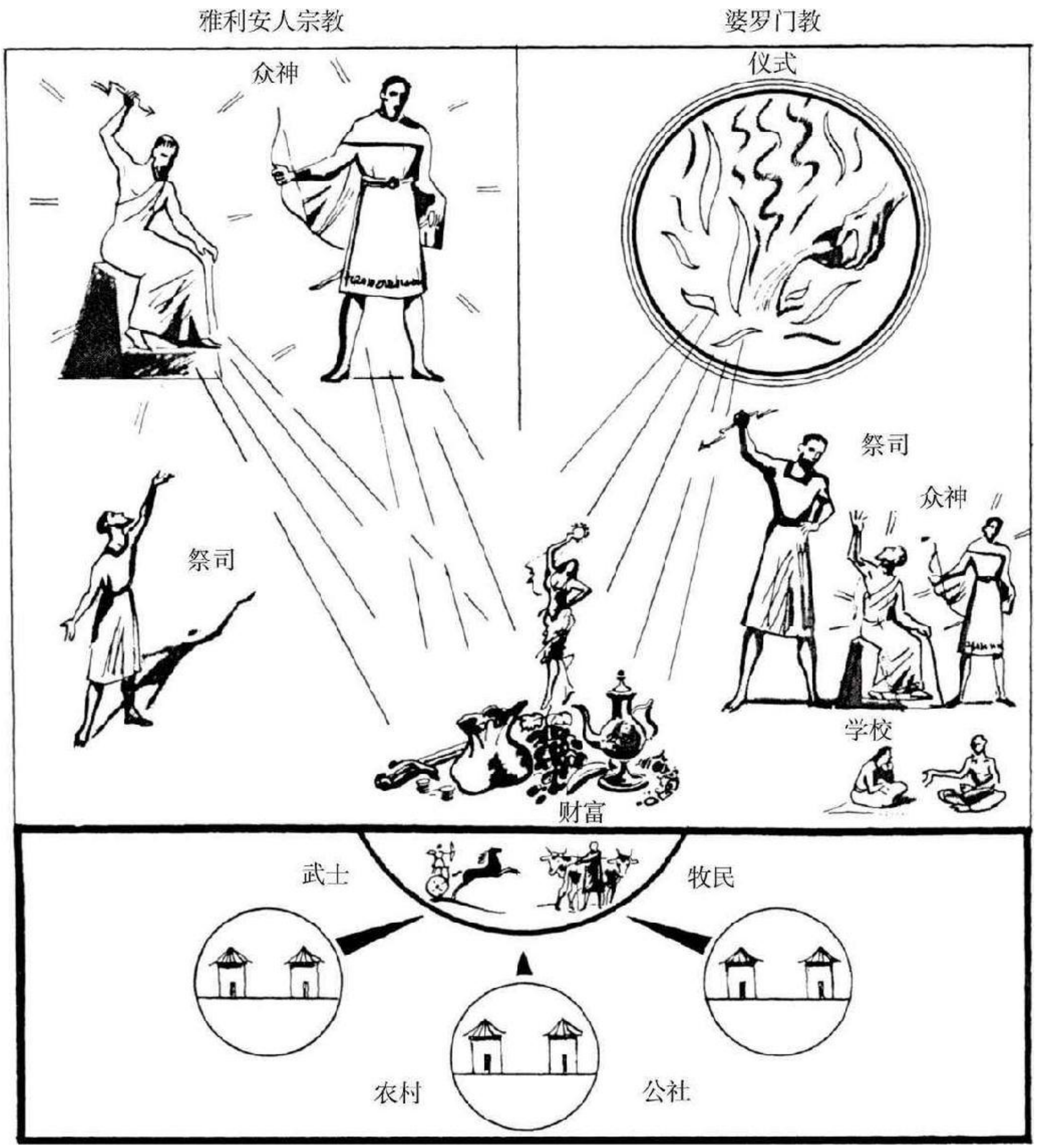
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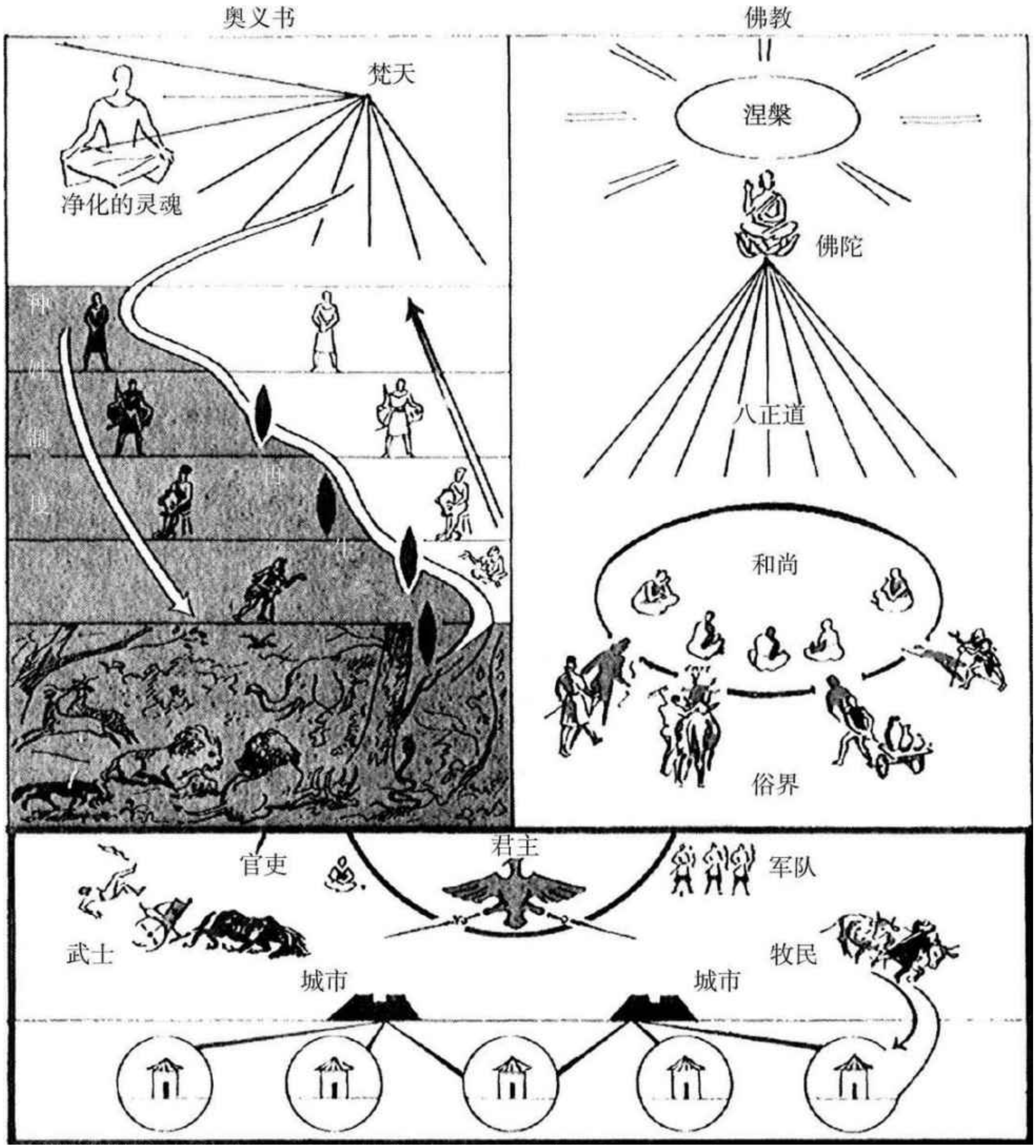
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奥义书
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涅槃
净化的灵魂
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八正道
和尚
俗界
君主
官吏
军队
武士
牧民
城市
城市

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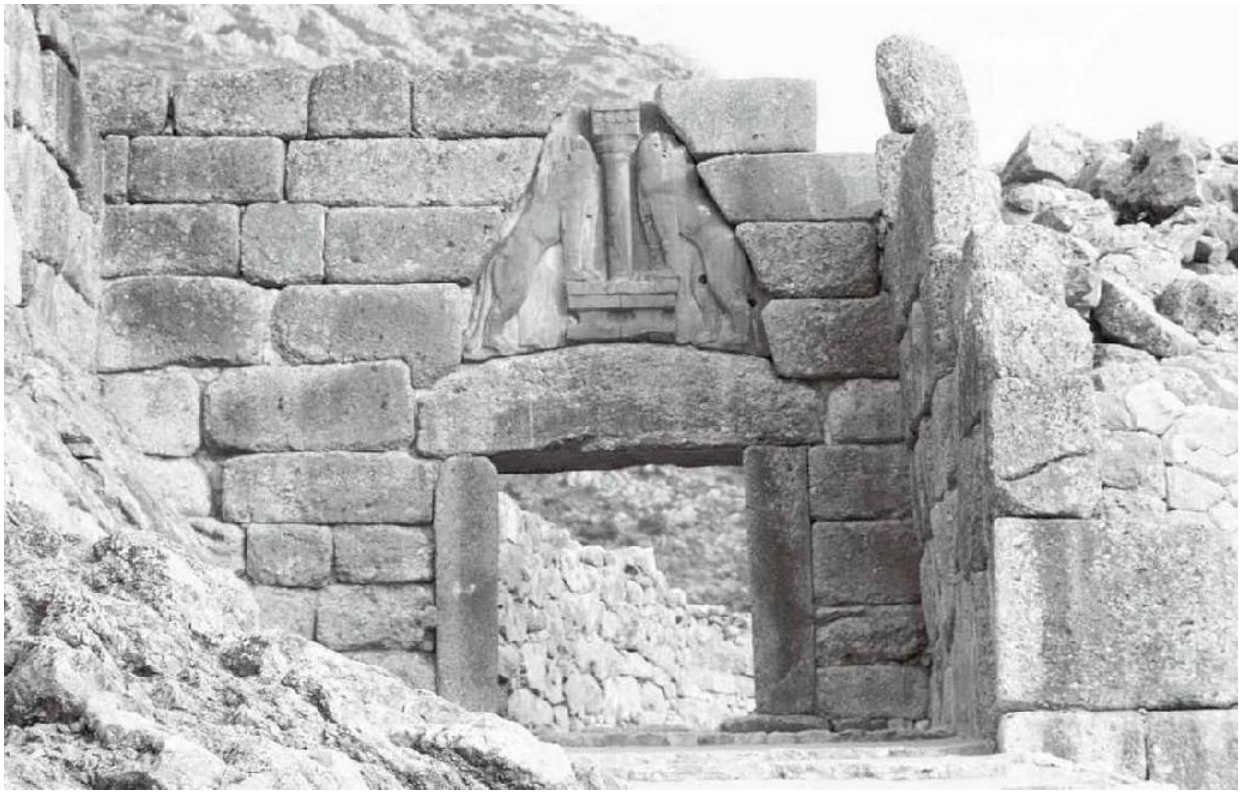
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[51]



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塞萨洛尼基
普罗庞提斯
阿陀斯山
特洛伊
伊庇鲁斯
奥林帕斯山
爱琴海
爱奥利斯
塞萨利
莱斯博斯岛
优卑亚
塞莫皮莱
德尔斐
卡尔基斯
希俄斯岛
普拉提亚
厄瑞特里亚
爱奥尼亚
厄琉西斯
亚该亚
科林斯
雅典
萨摩斯
奥林匹克
迈锡尼
阿戈斯
伯罗奔尼撒半岛
提洛岛
米利都
麦西尼亚
皮洛斯
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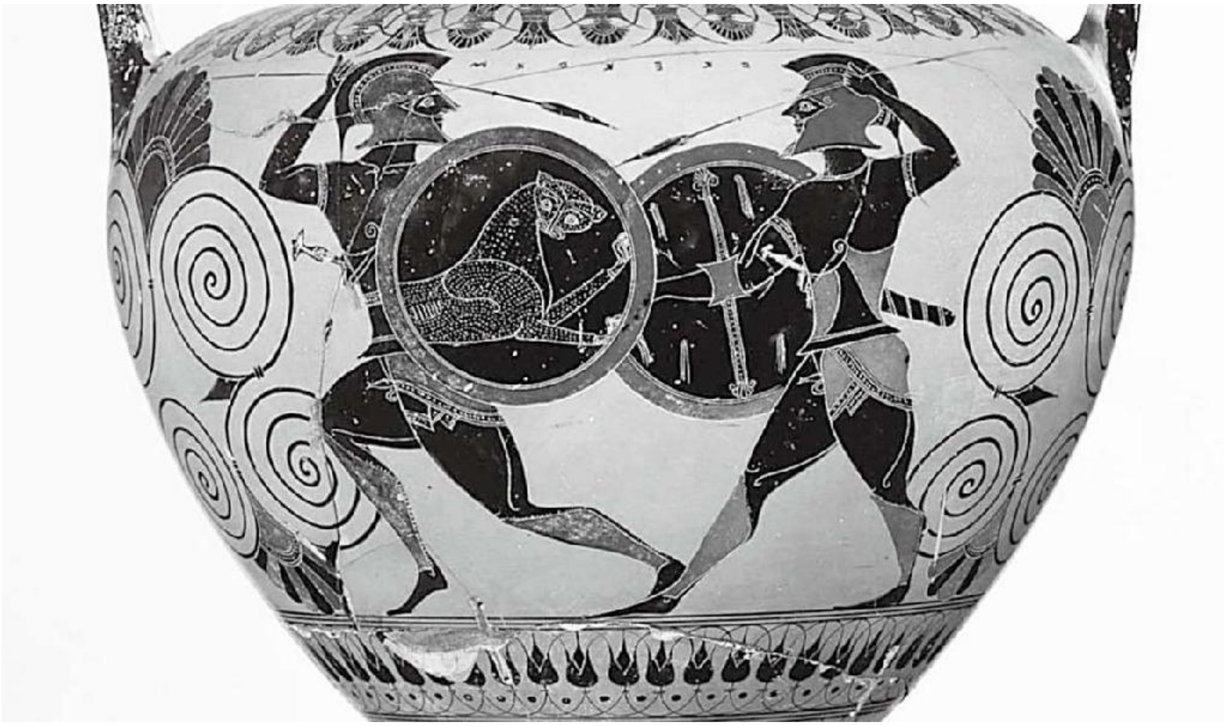
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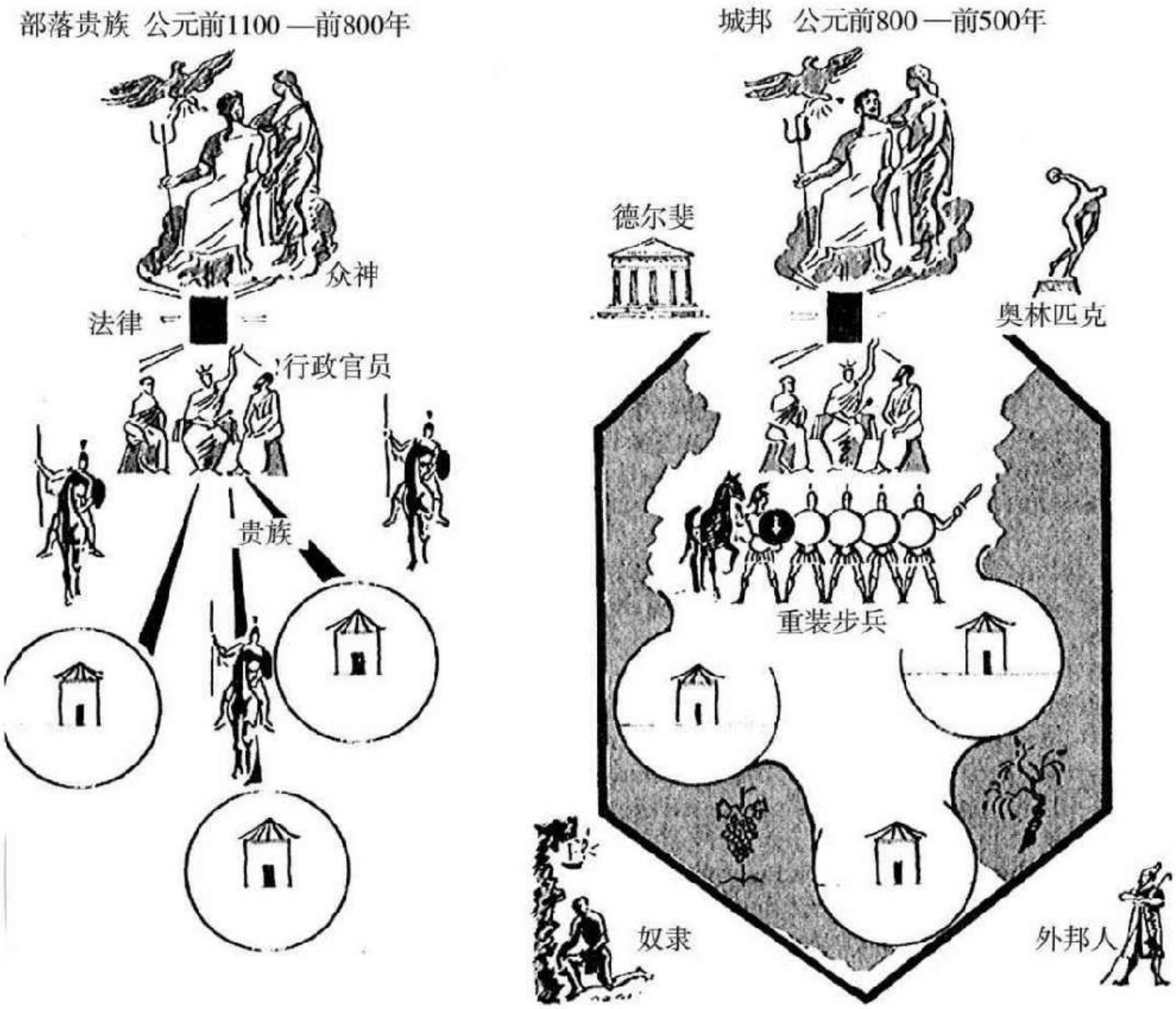
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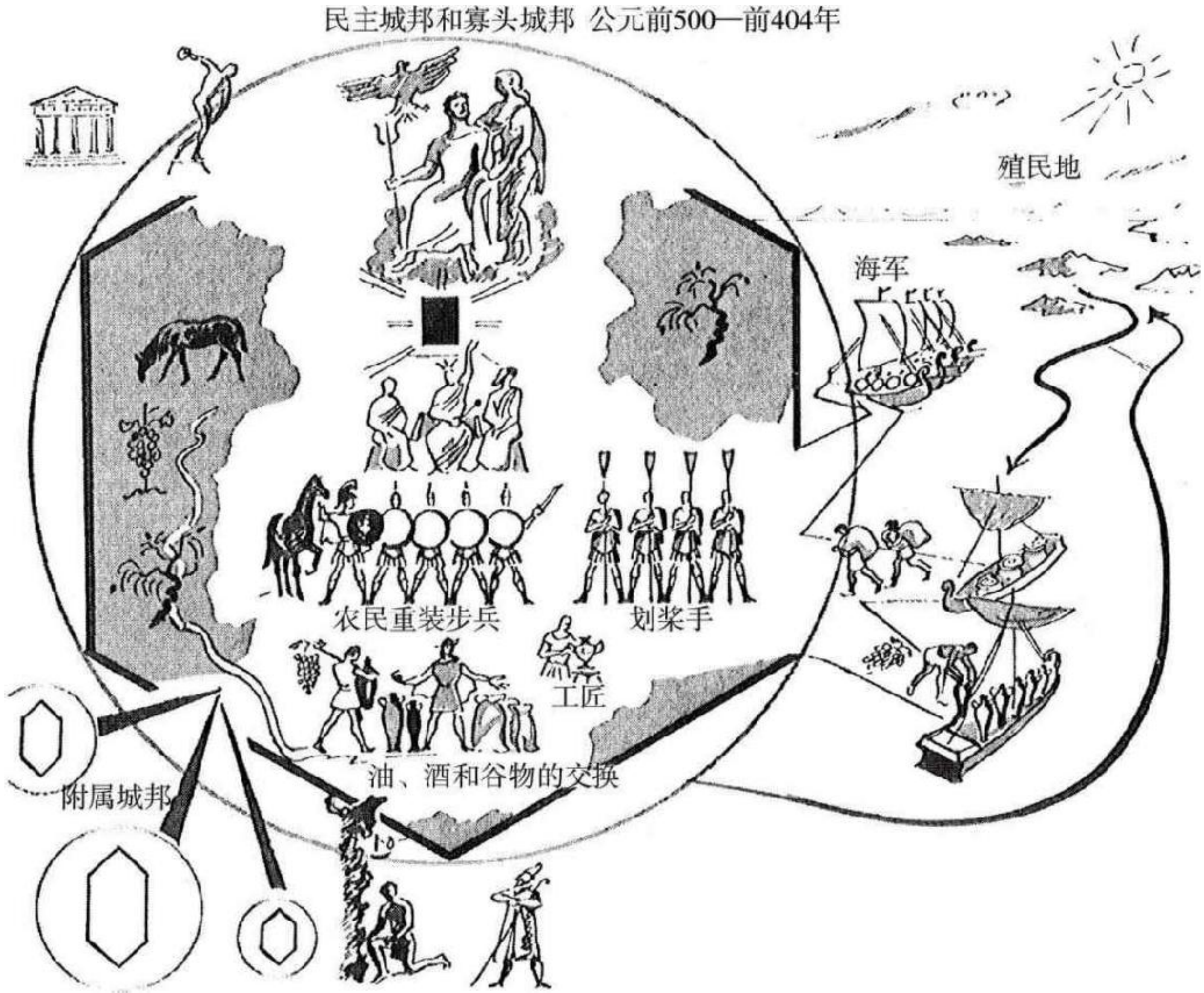
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部落贵族 公元前1100 —前800年
众神
法律
行政官员
贵族
城邦 公元前800 —前500年
德尔斐
奥林匹克
重装步兵
奴隶
外邦人



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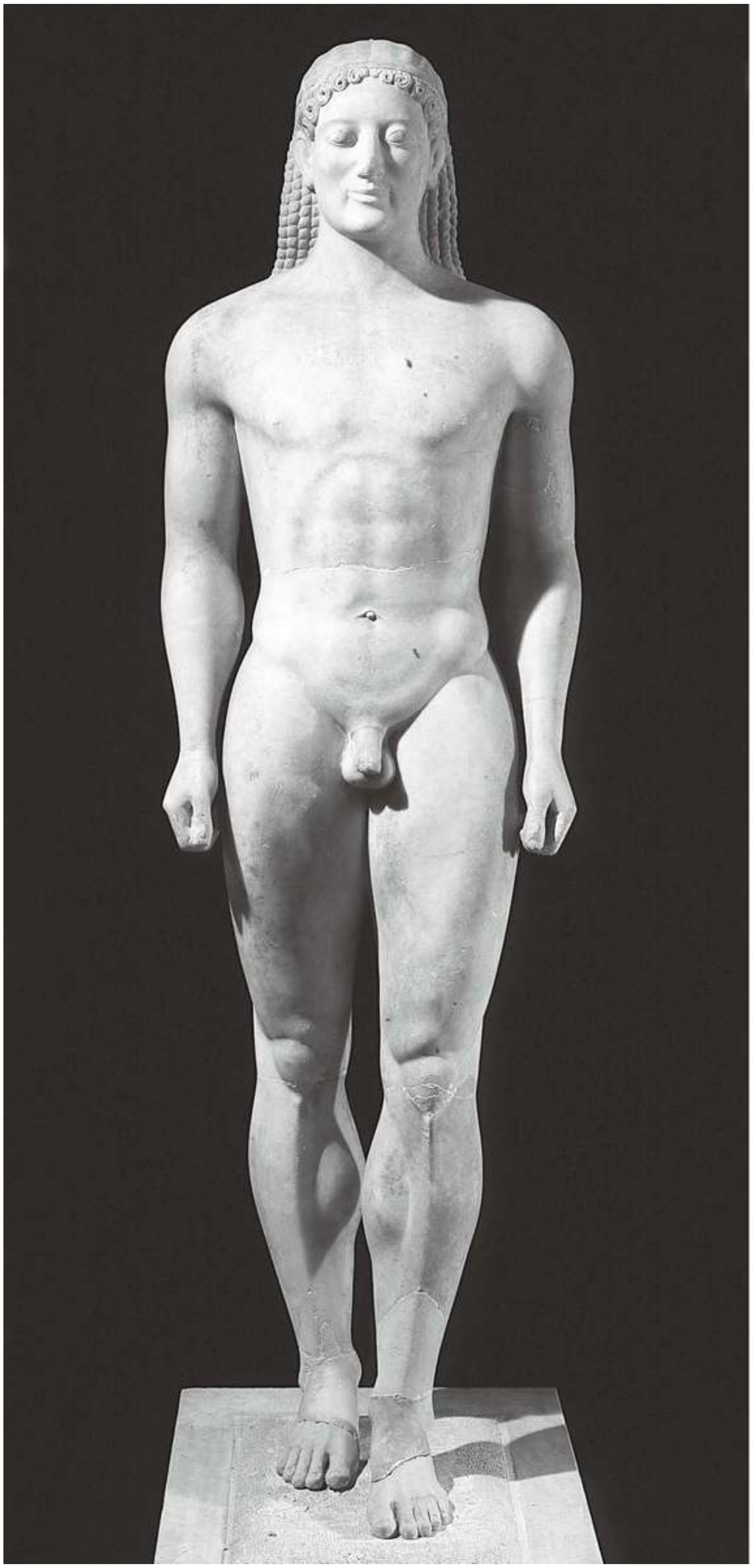
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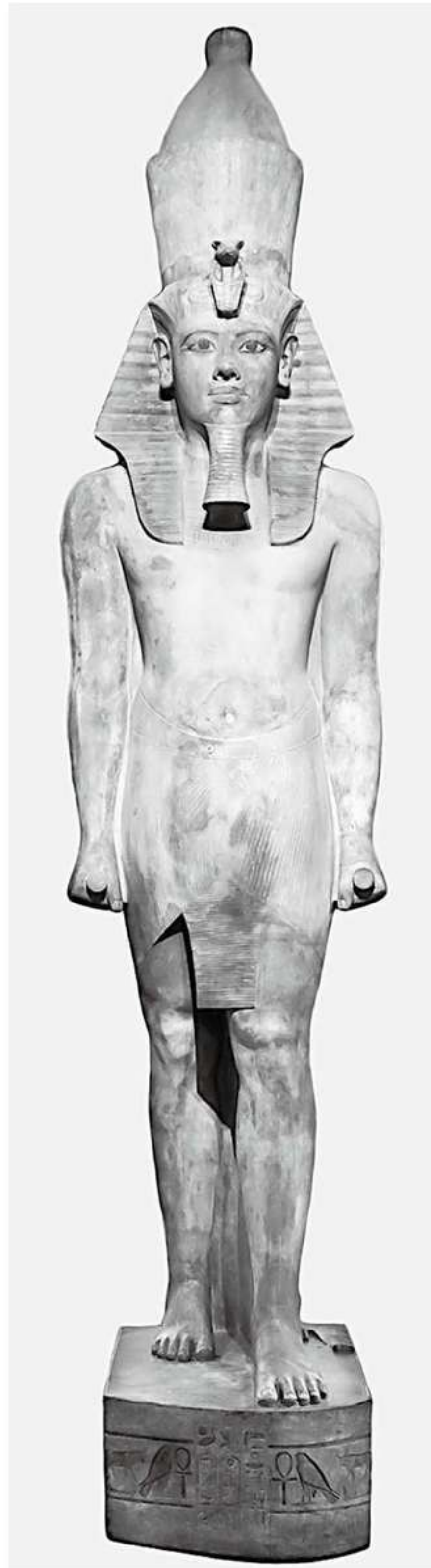
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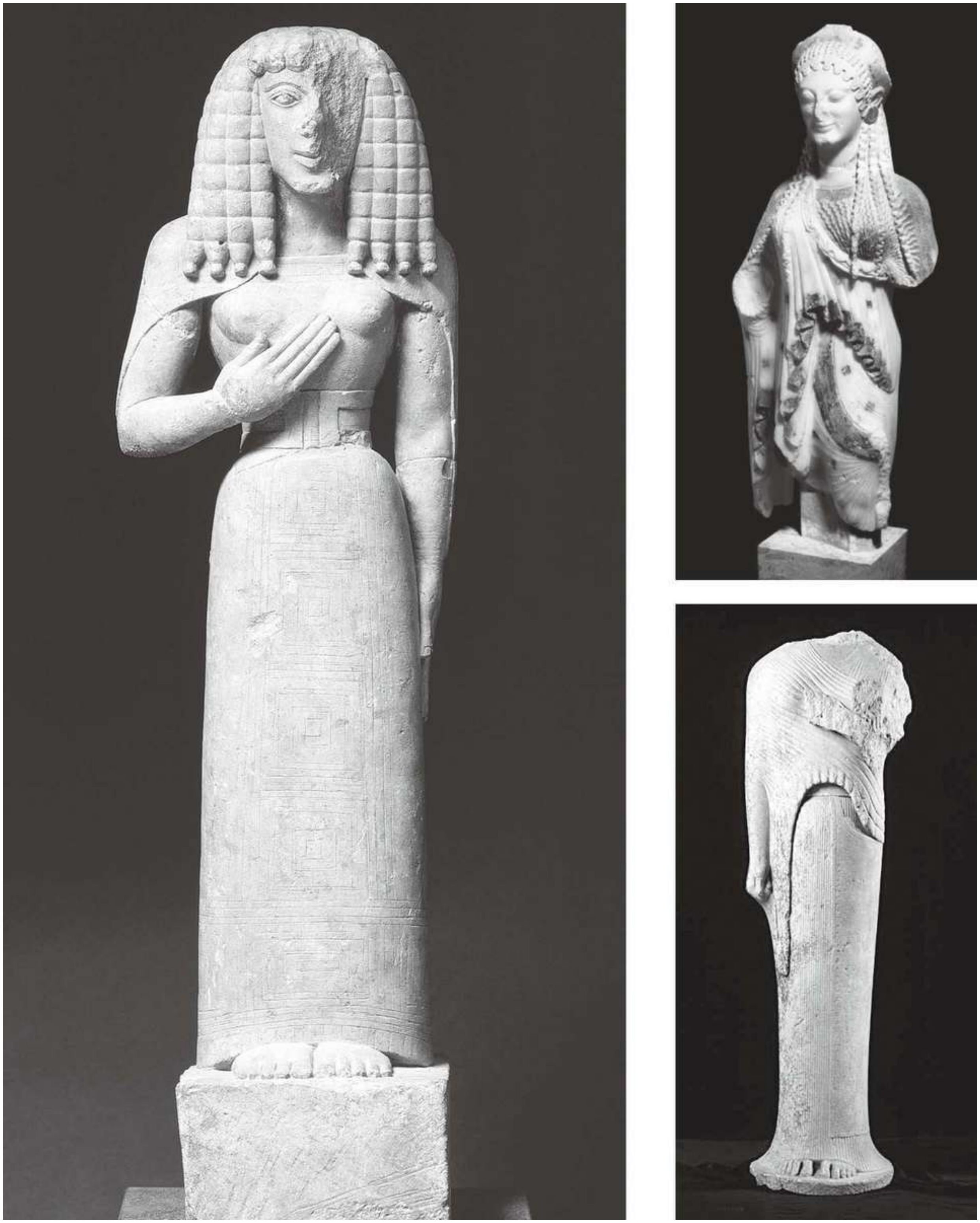
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Xenophanes

Heraclitus

Thales 585

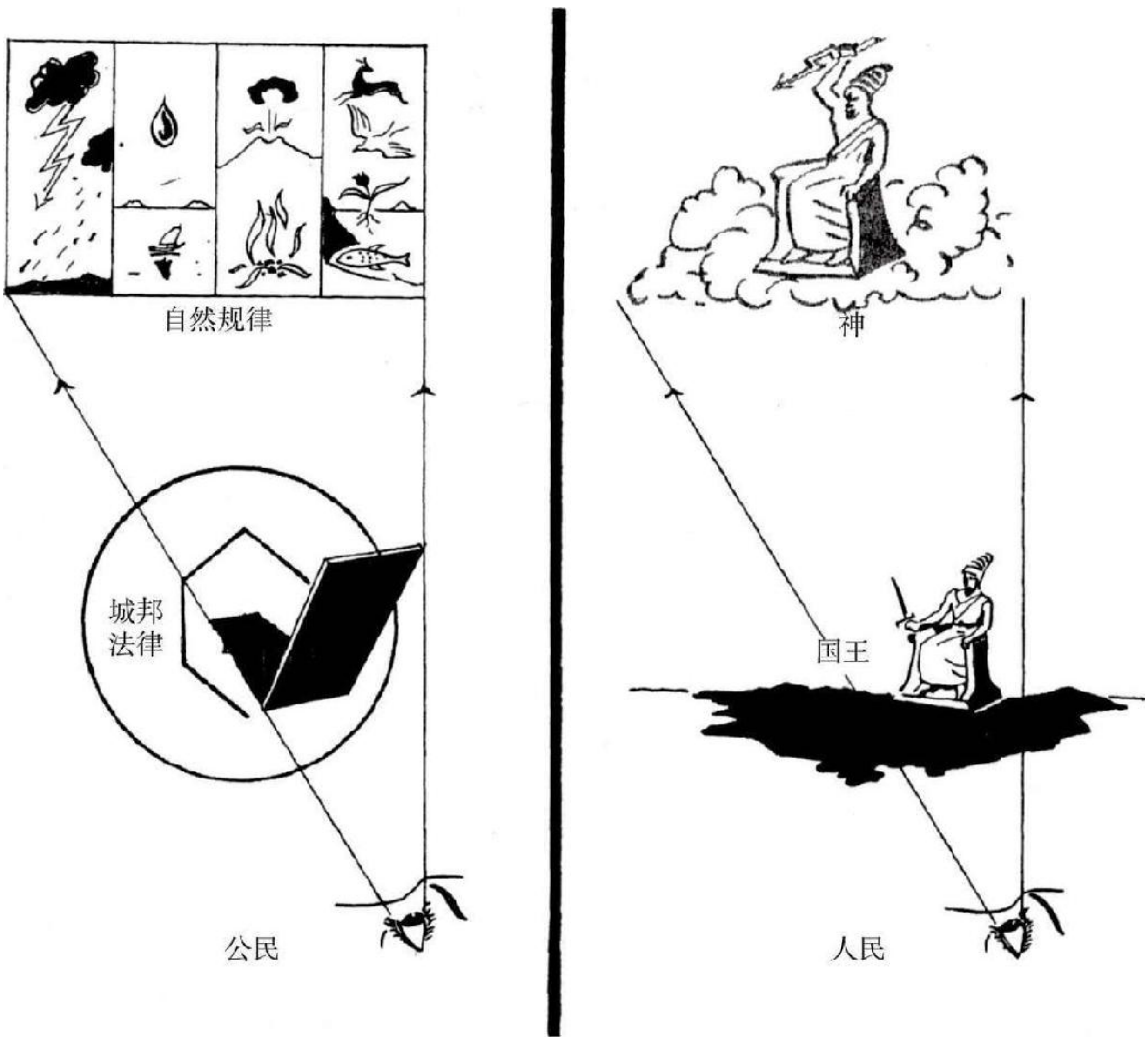
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Anaximander Anaximenes

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Pythagoras Samos Croton 525

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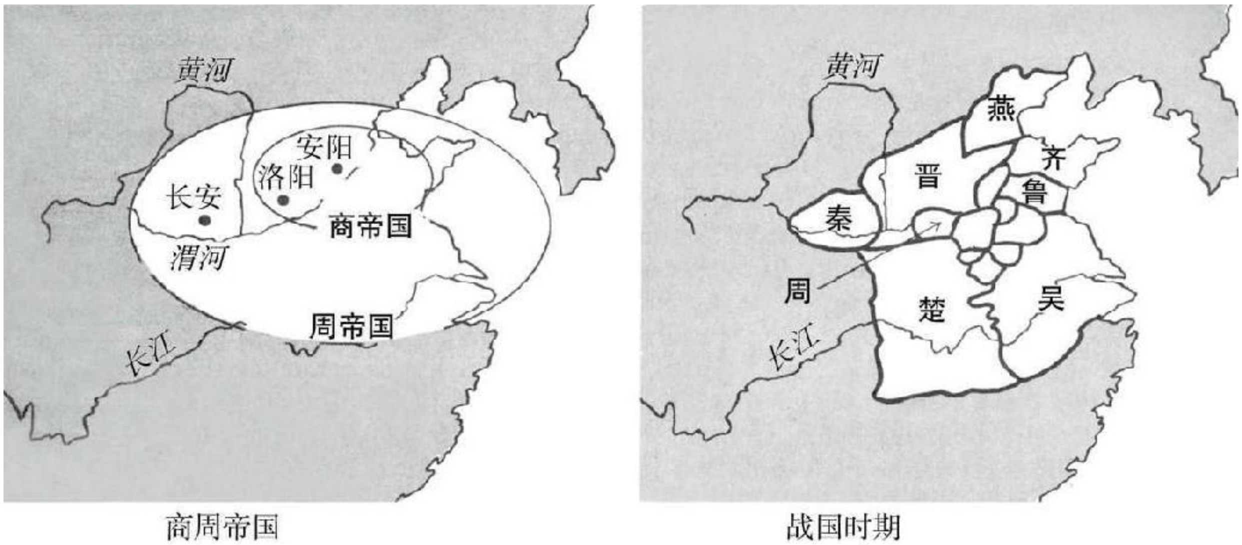
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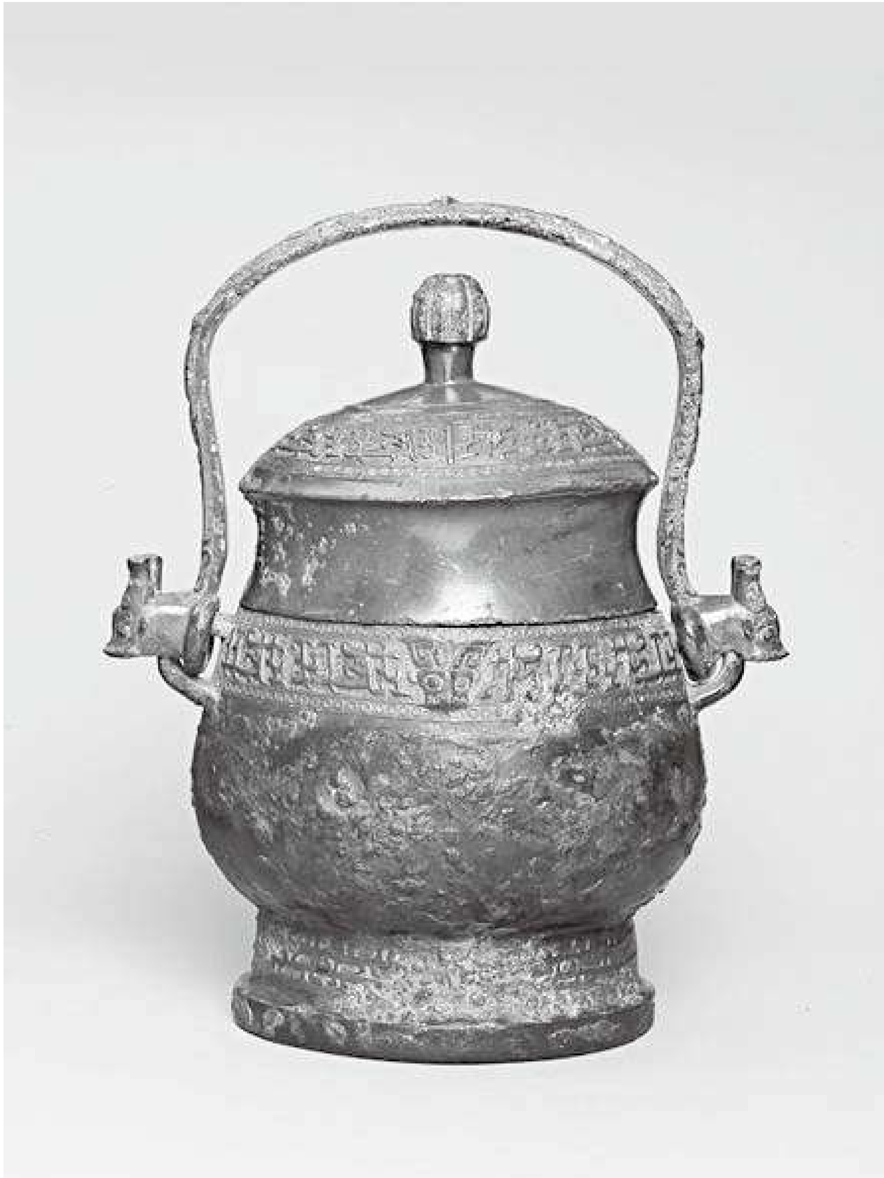
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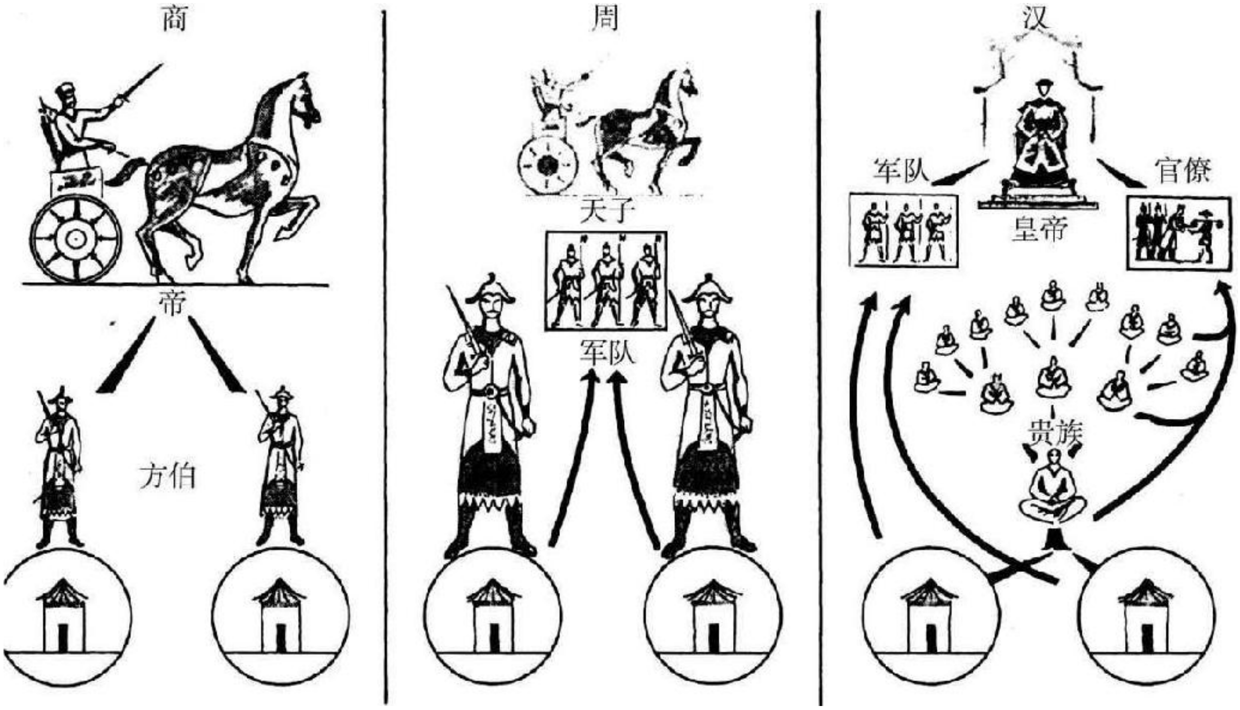
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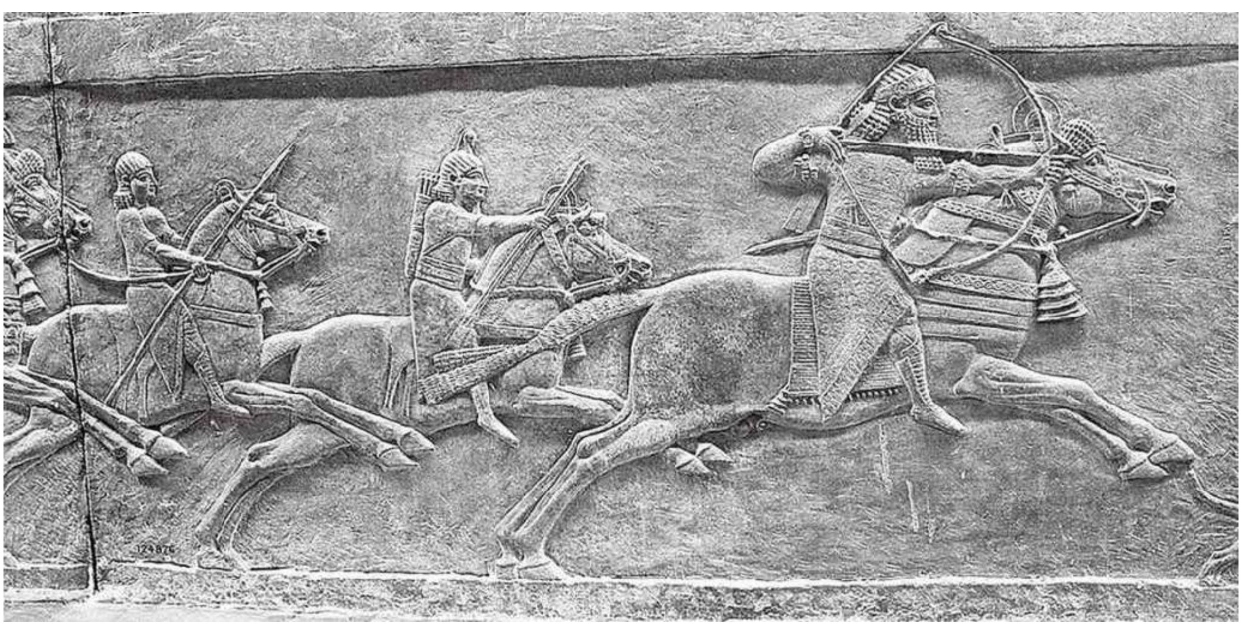
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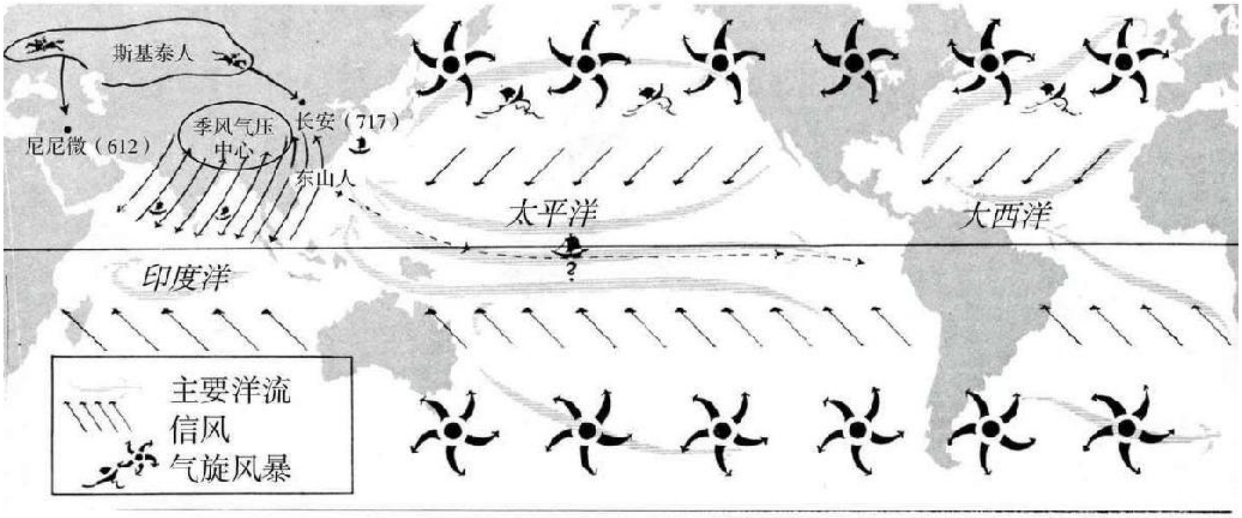
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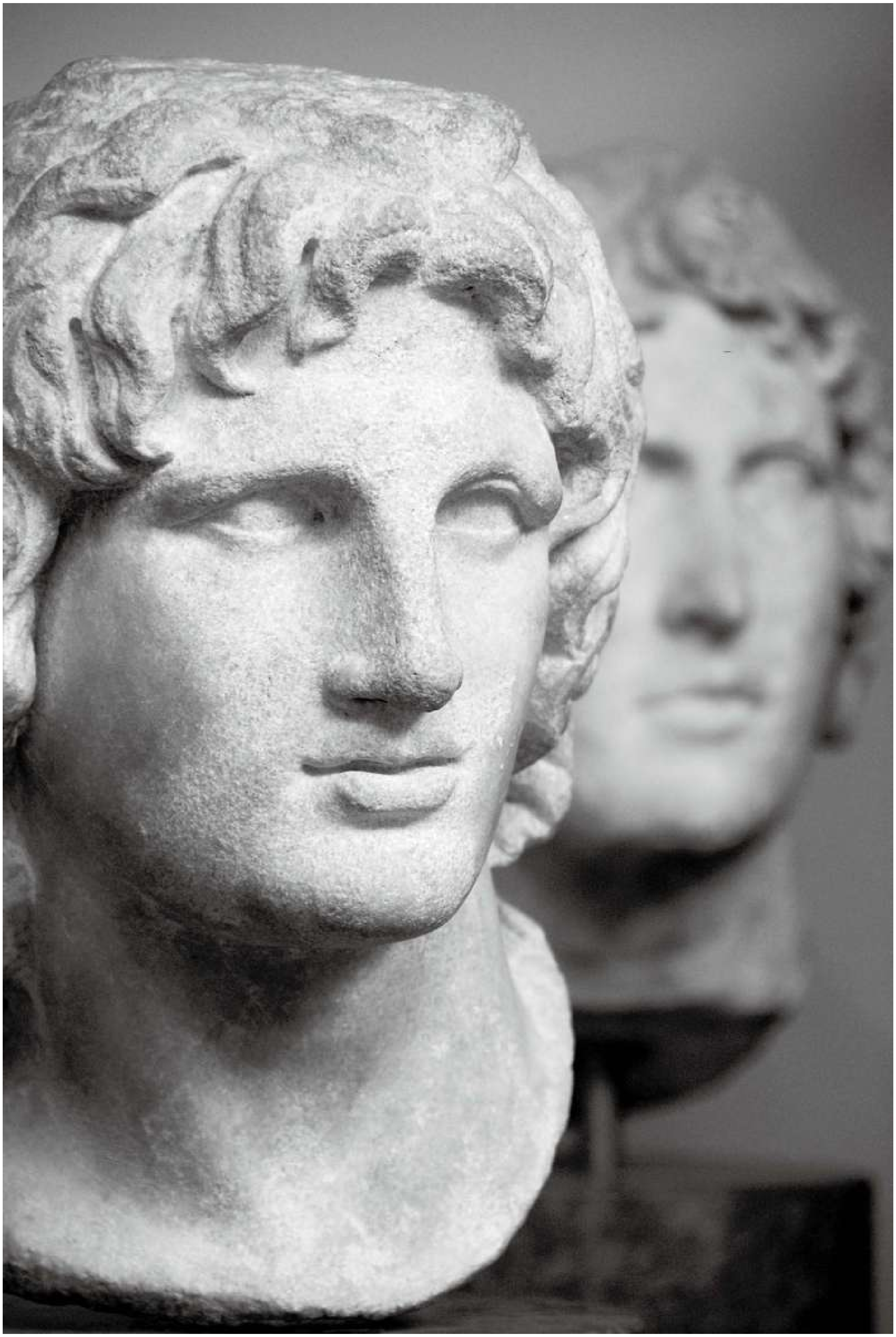
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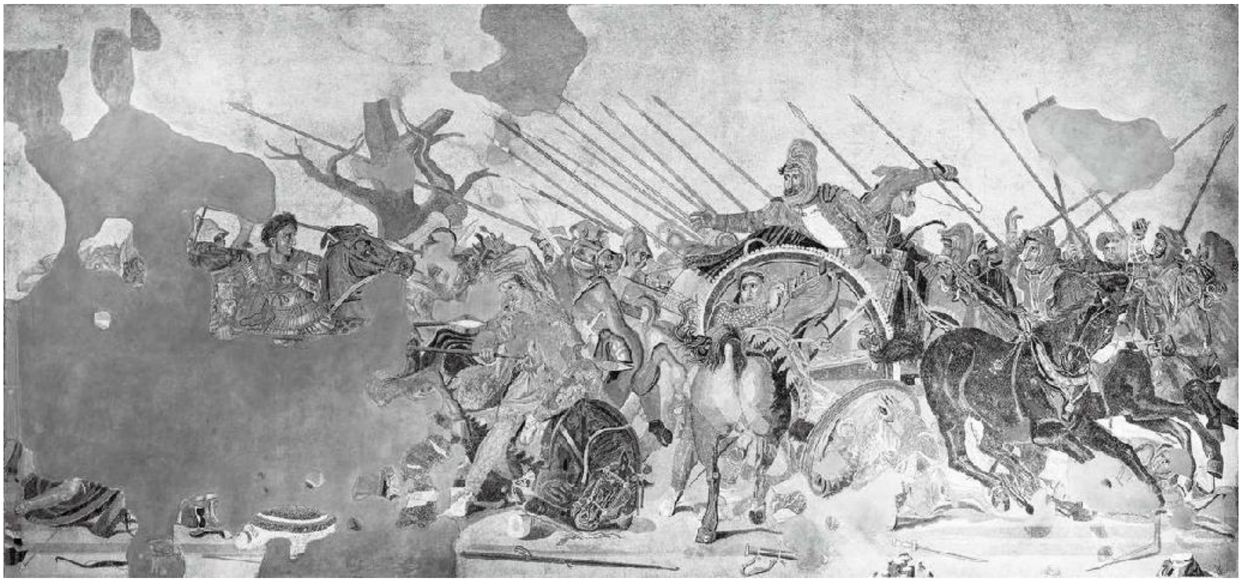
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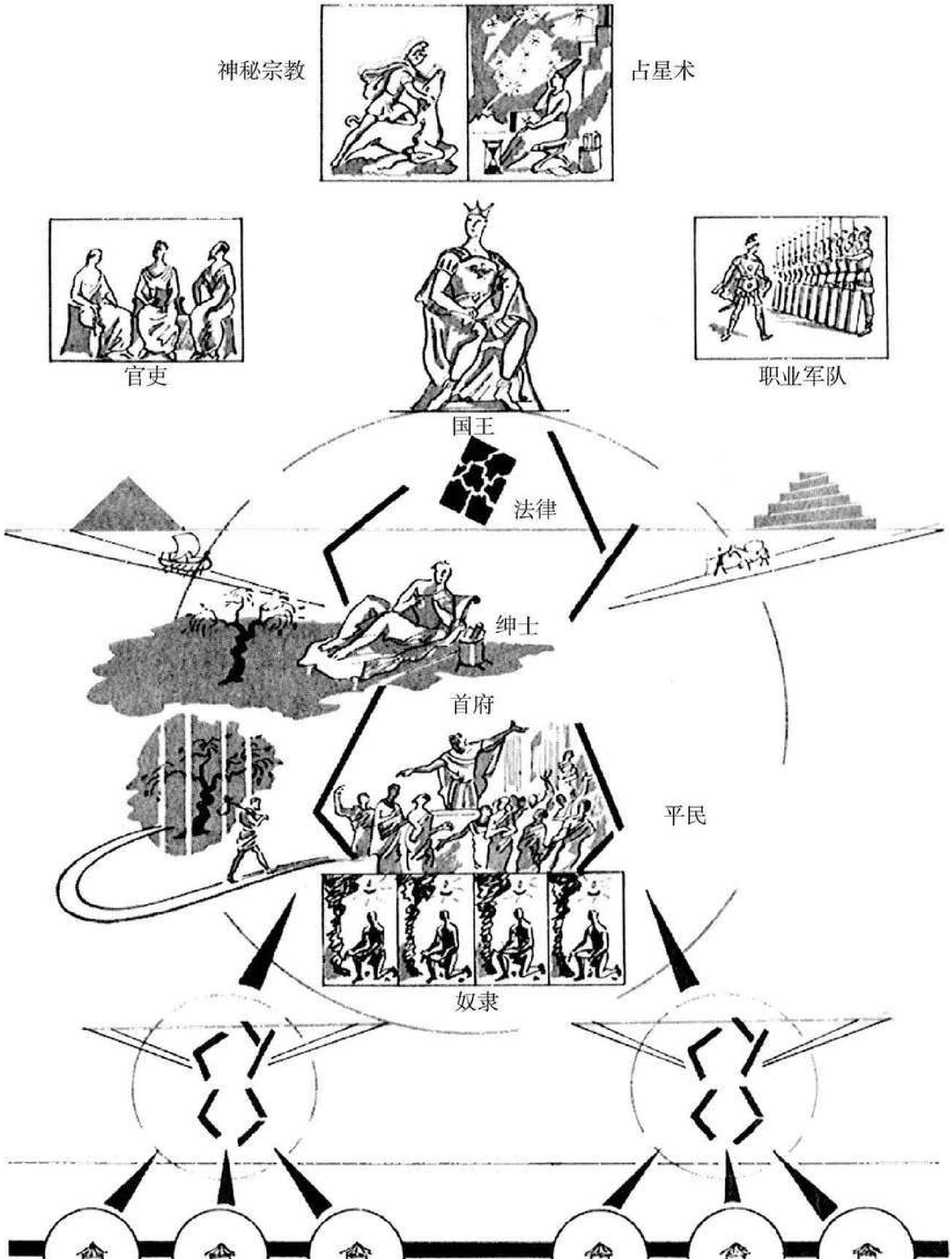
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神秘宗教
占星术
官吏
职业军队
国王
法律
绅士
首府
平民
奴隶

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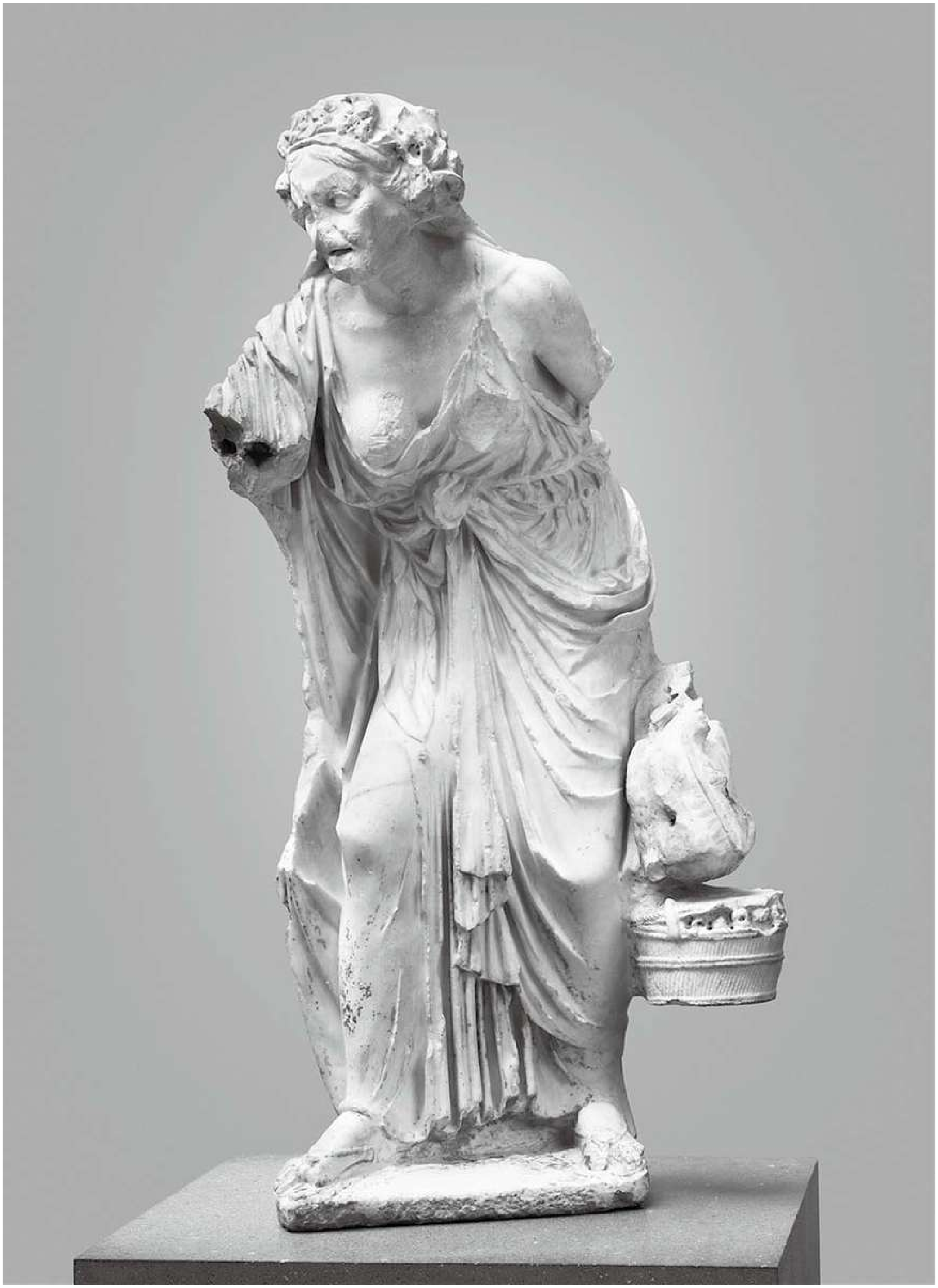
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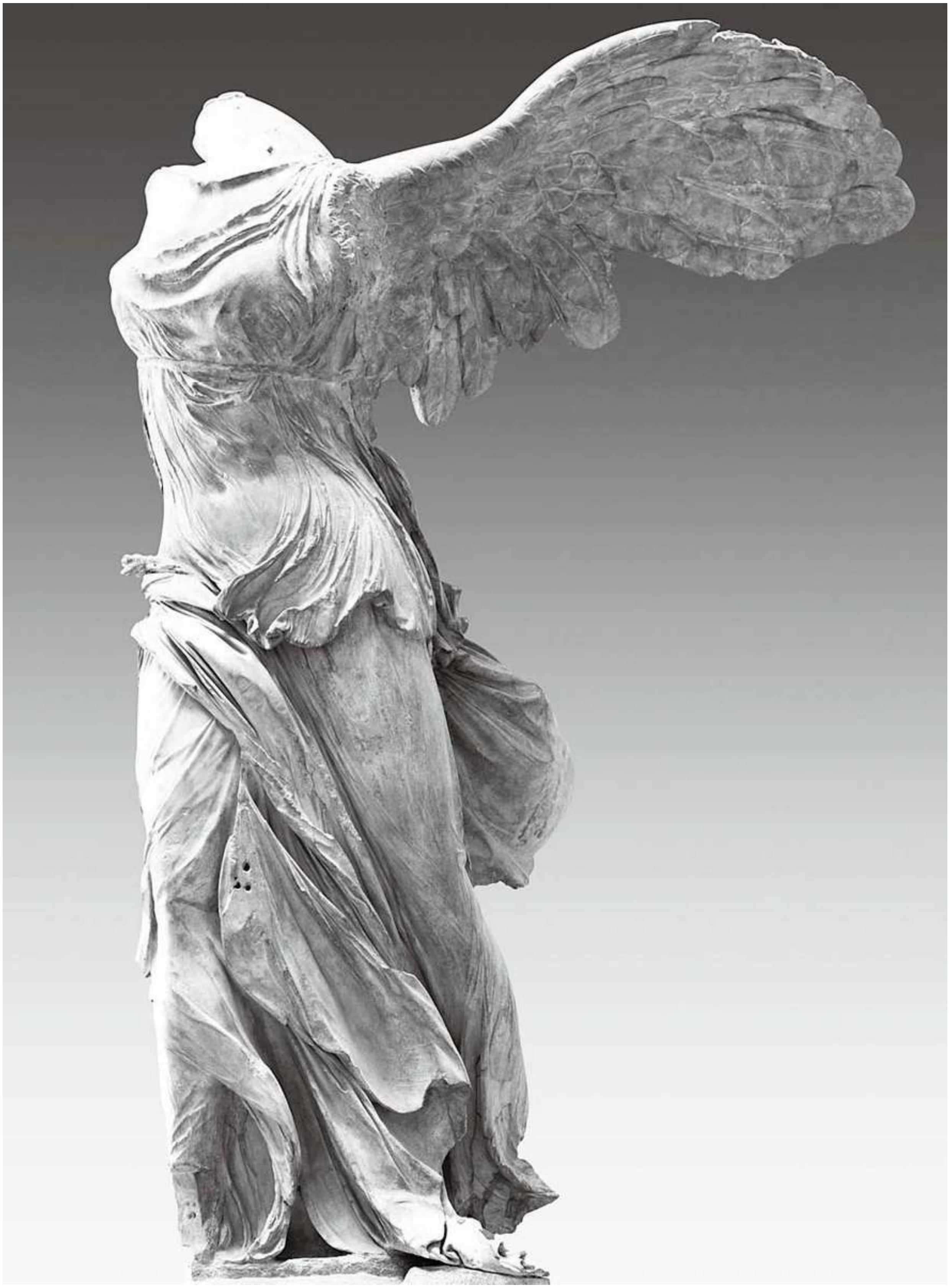
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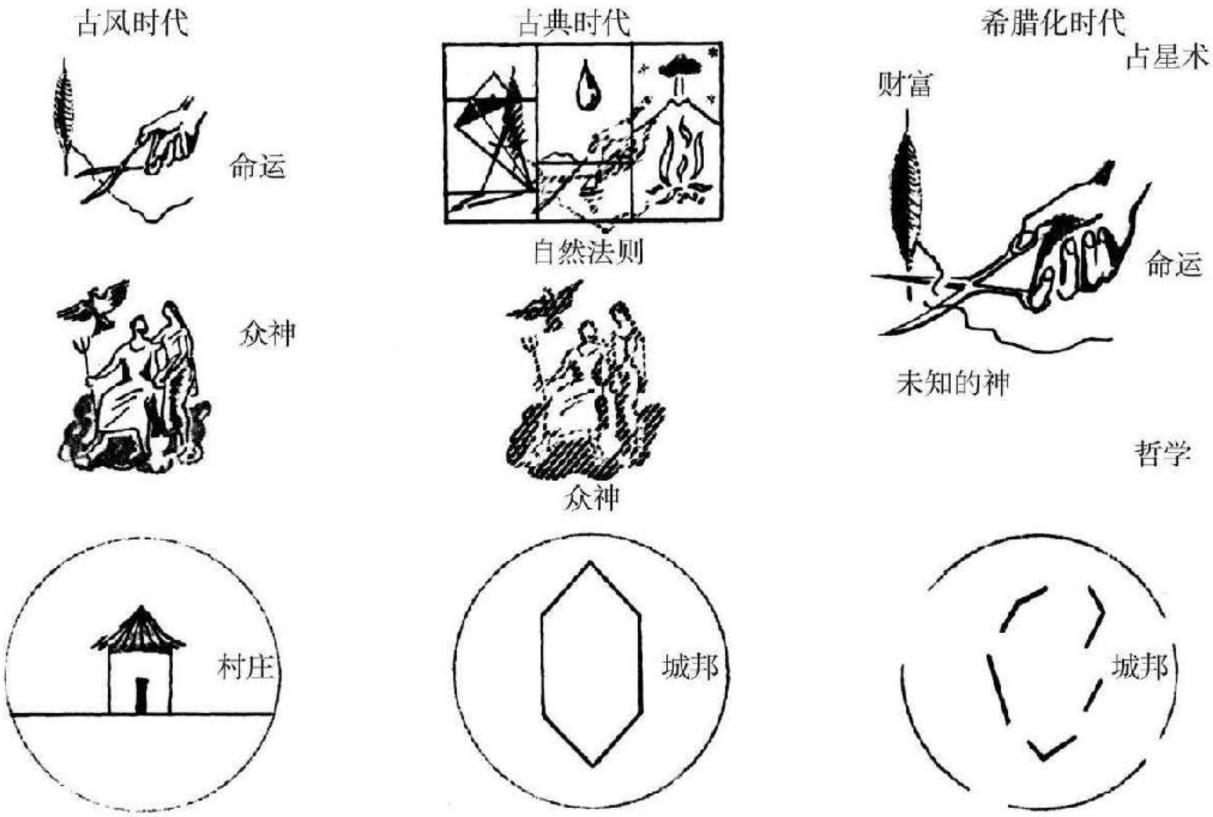
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古风时代
命运
众神
村庄
古典时代
自然法则
众神
城邦
希腊化时代
占星术
财富
命运
未知的神
哲学
城邦

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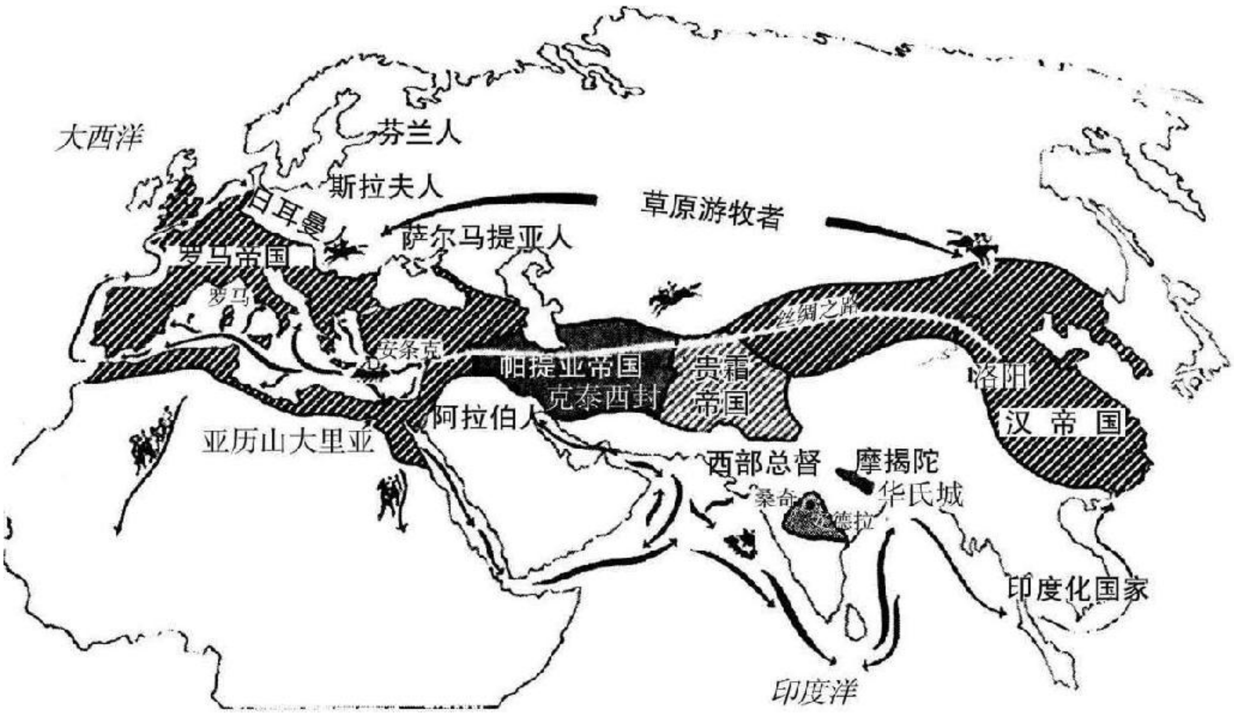
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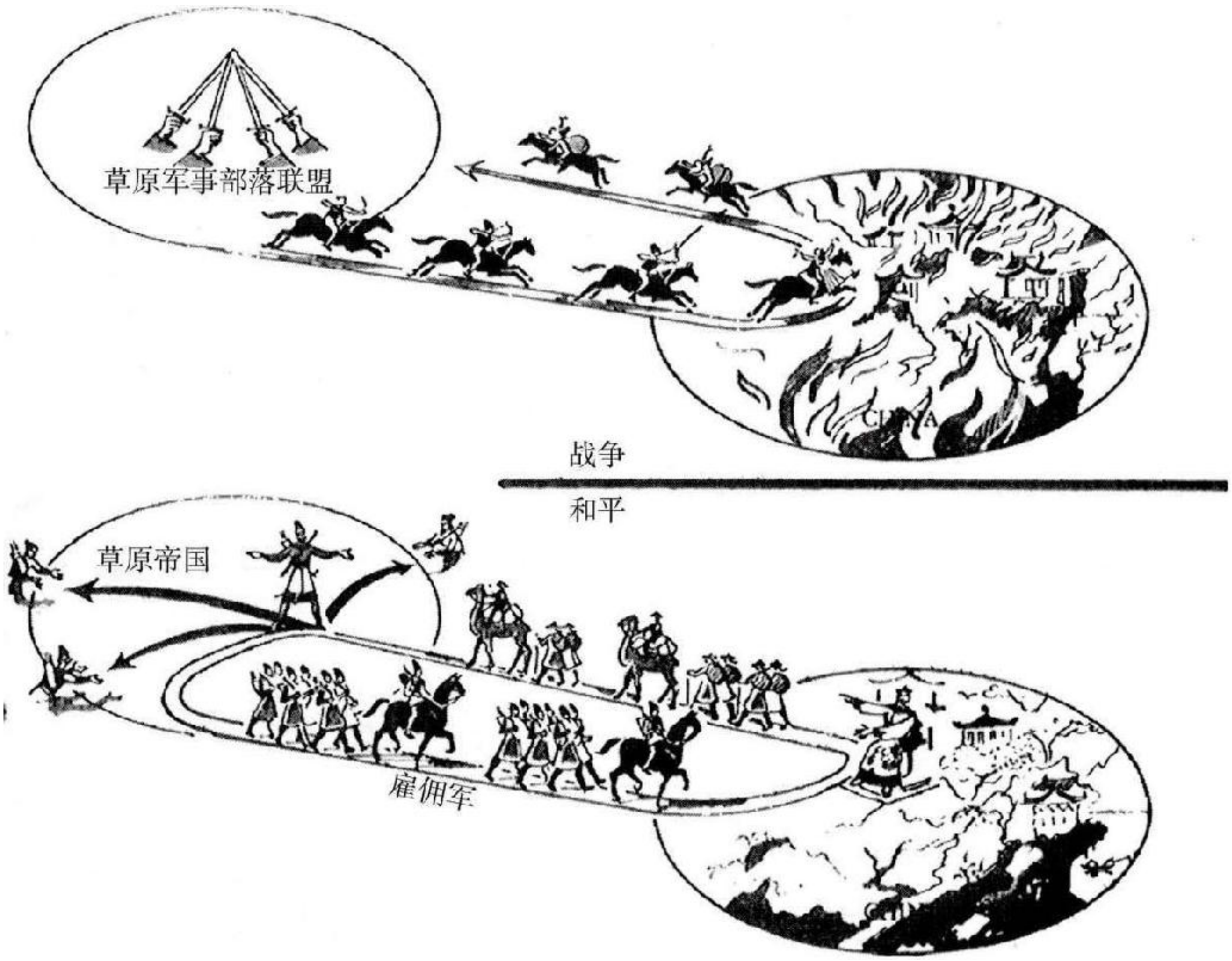
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AN. XVIII


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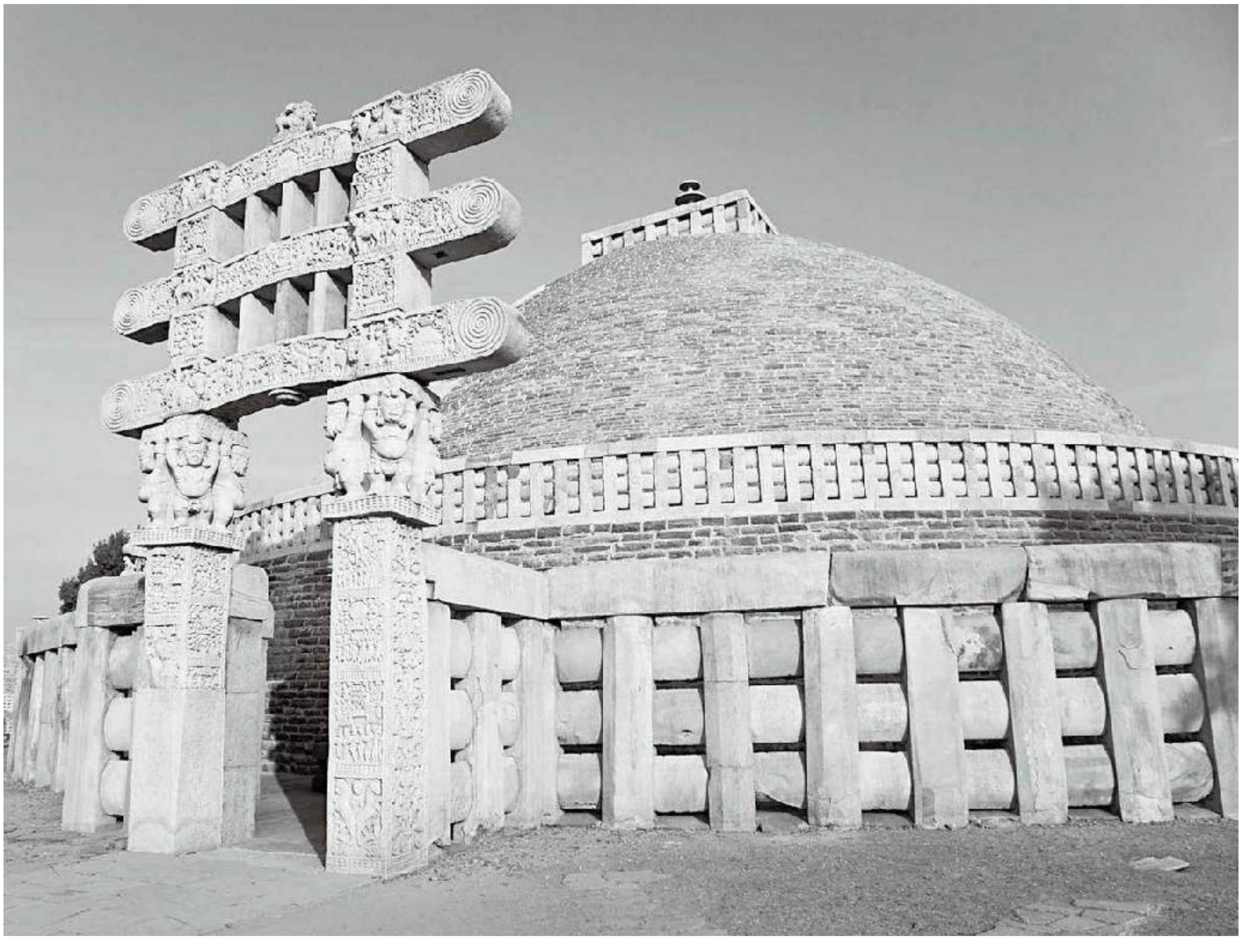
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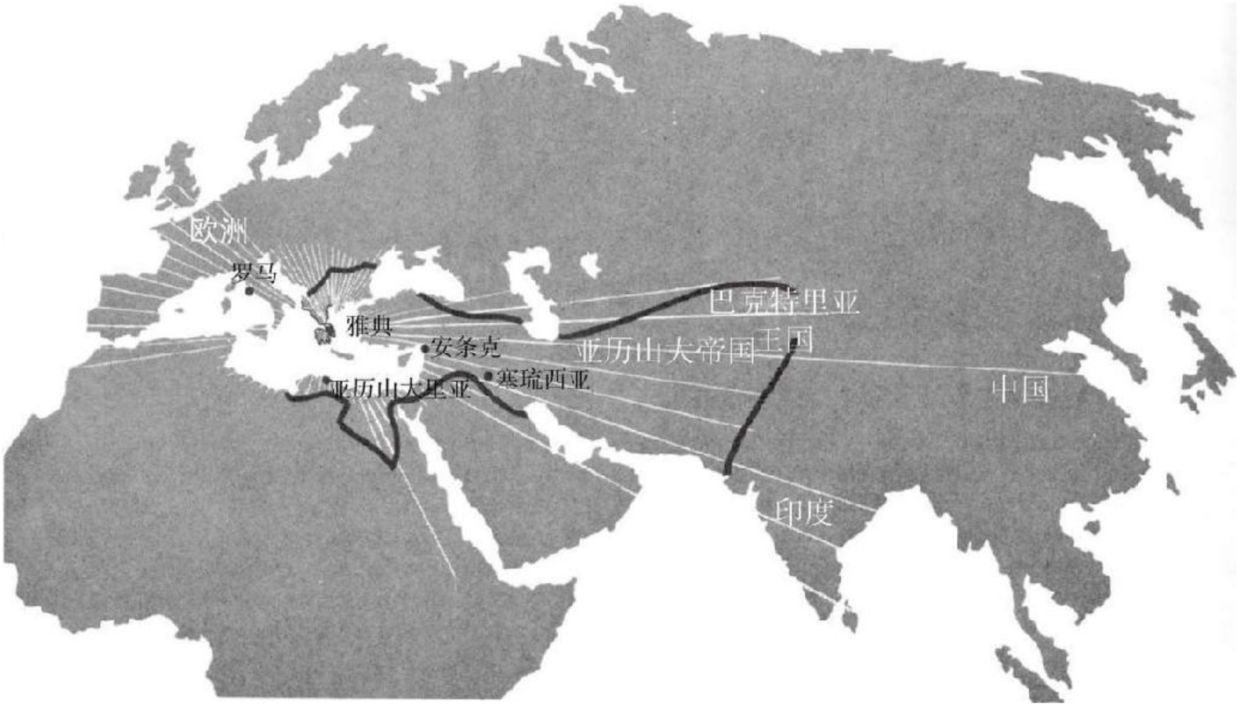
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欧洲
罗马
雅典
安条克
巴克特里亚王国
亚历山大帝国
中国
亚历山大里亚
塞琉西亚
印度







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Galileans

Peter

the Acts

Holy Spirit

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St. Paul

Tarsus

Damascus

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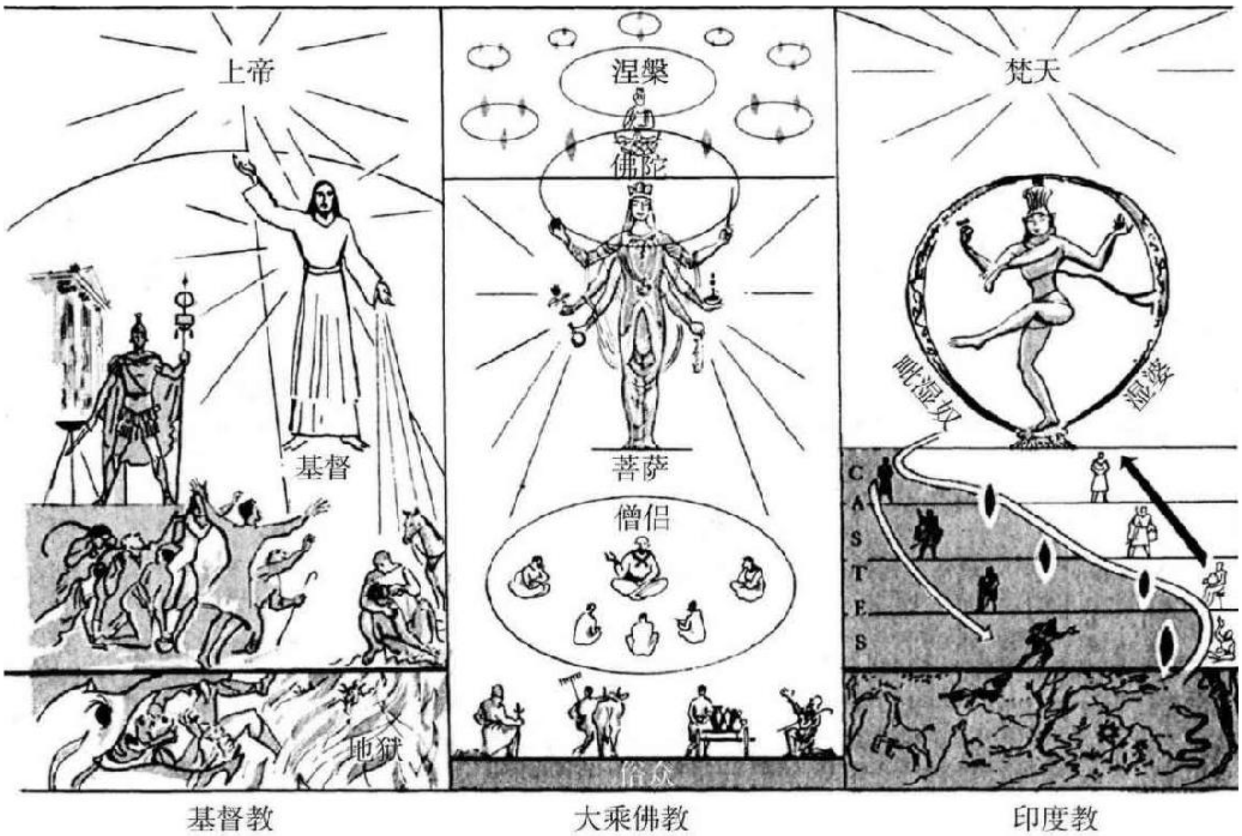
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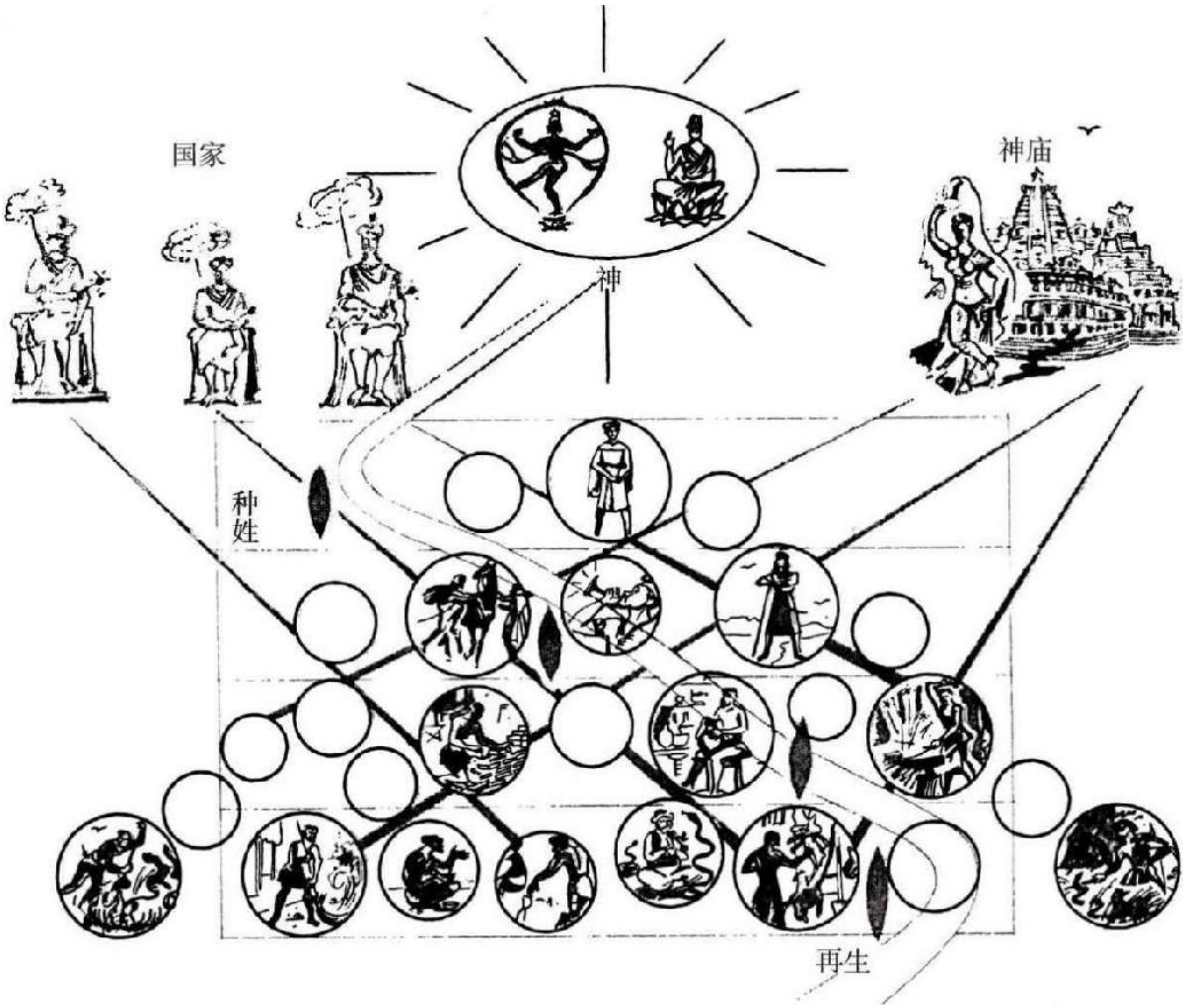
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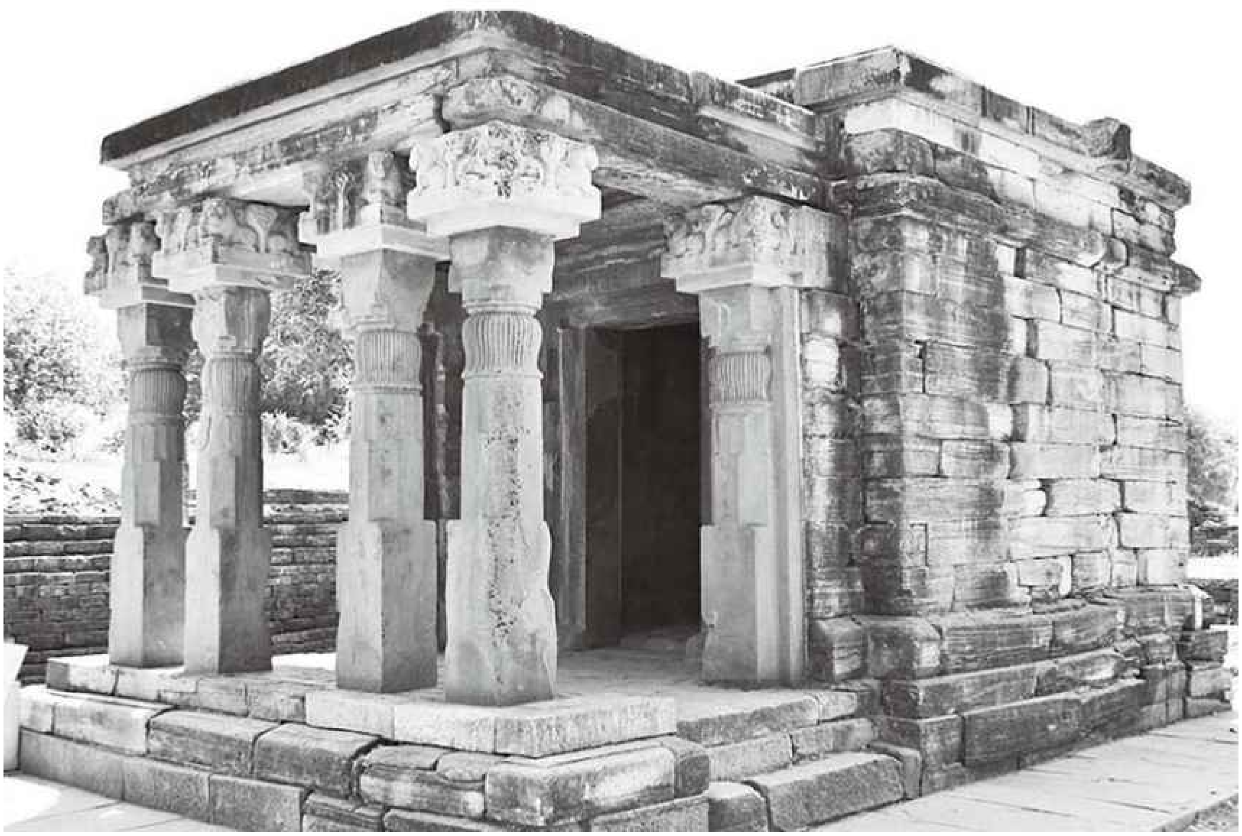
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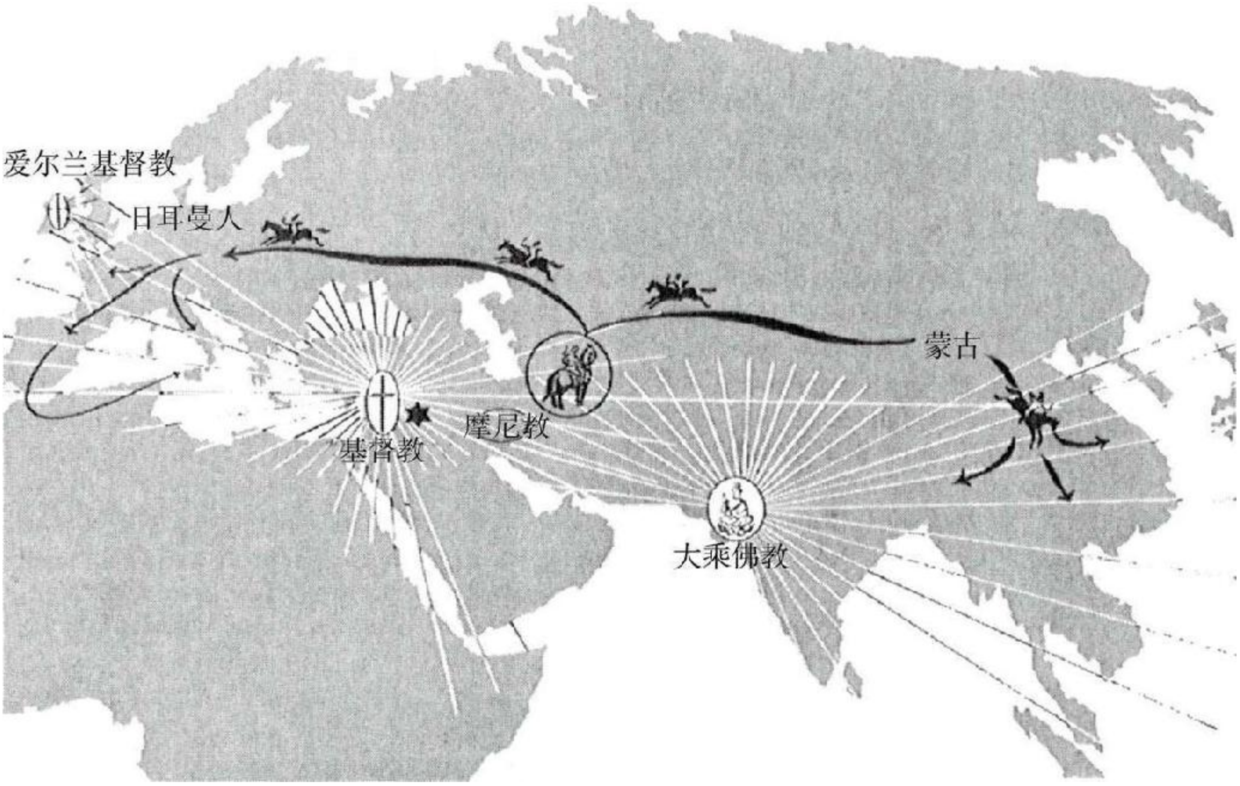
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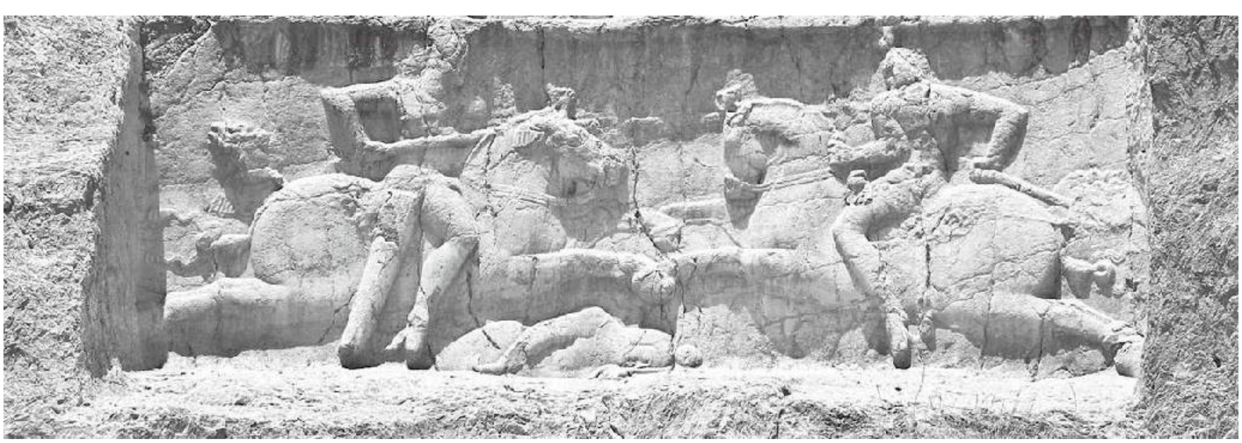
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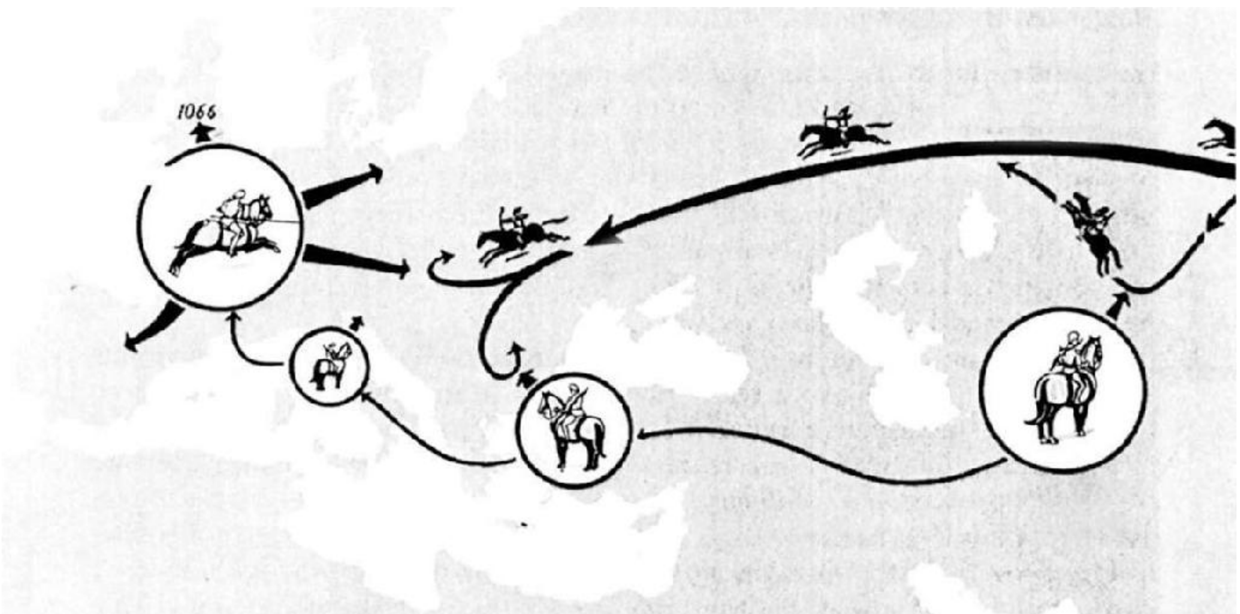
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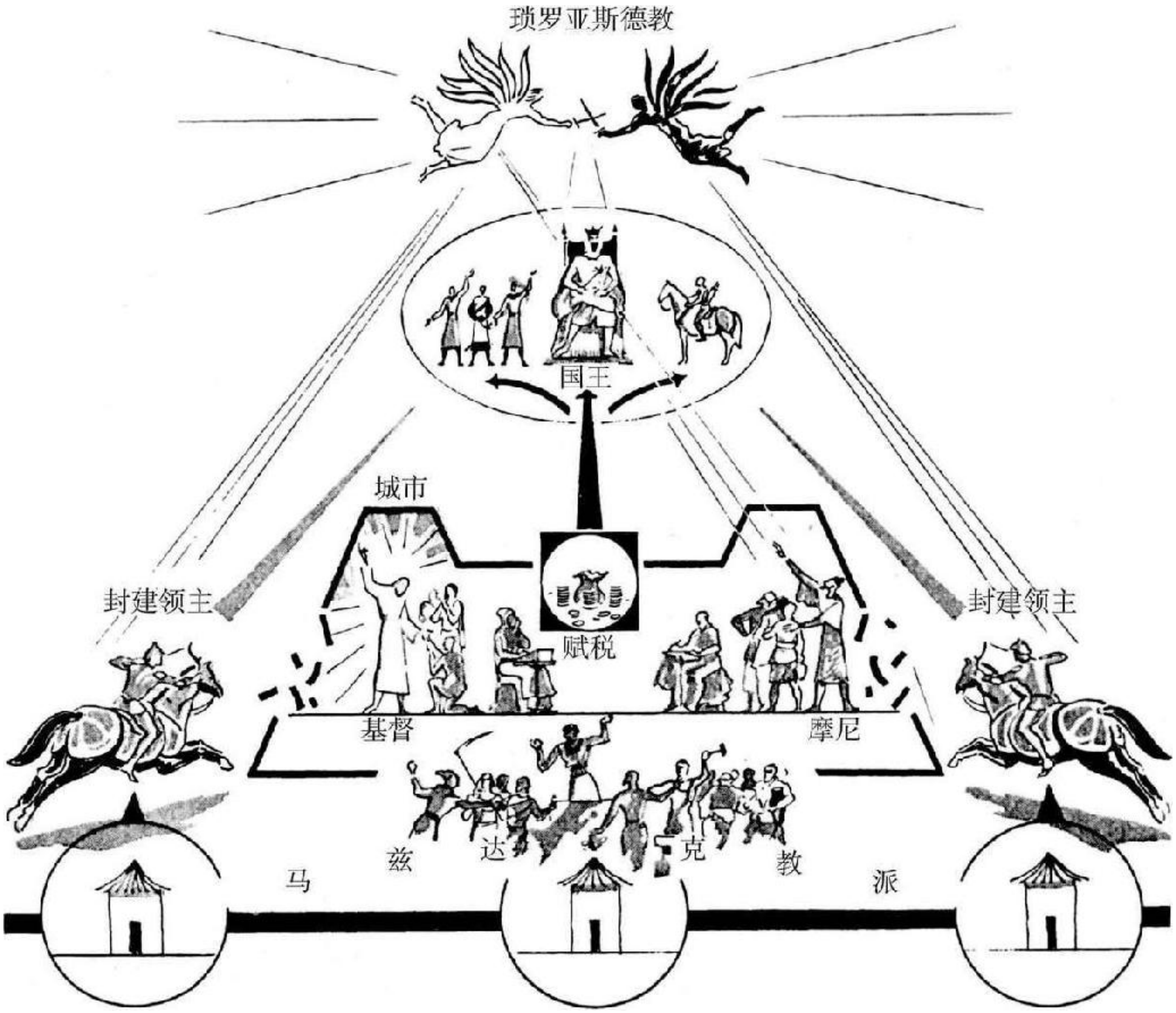
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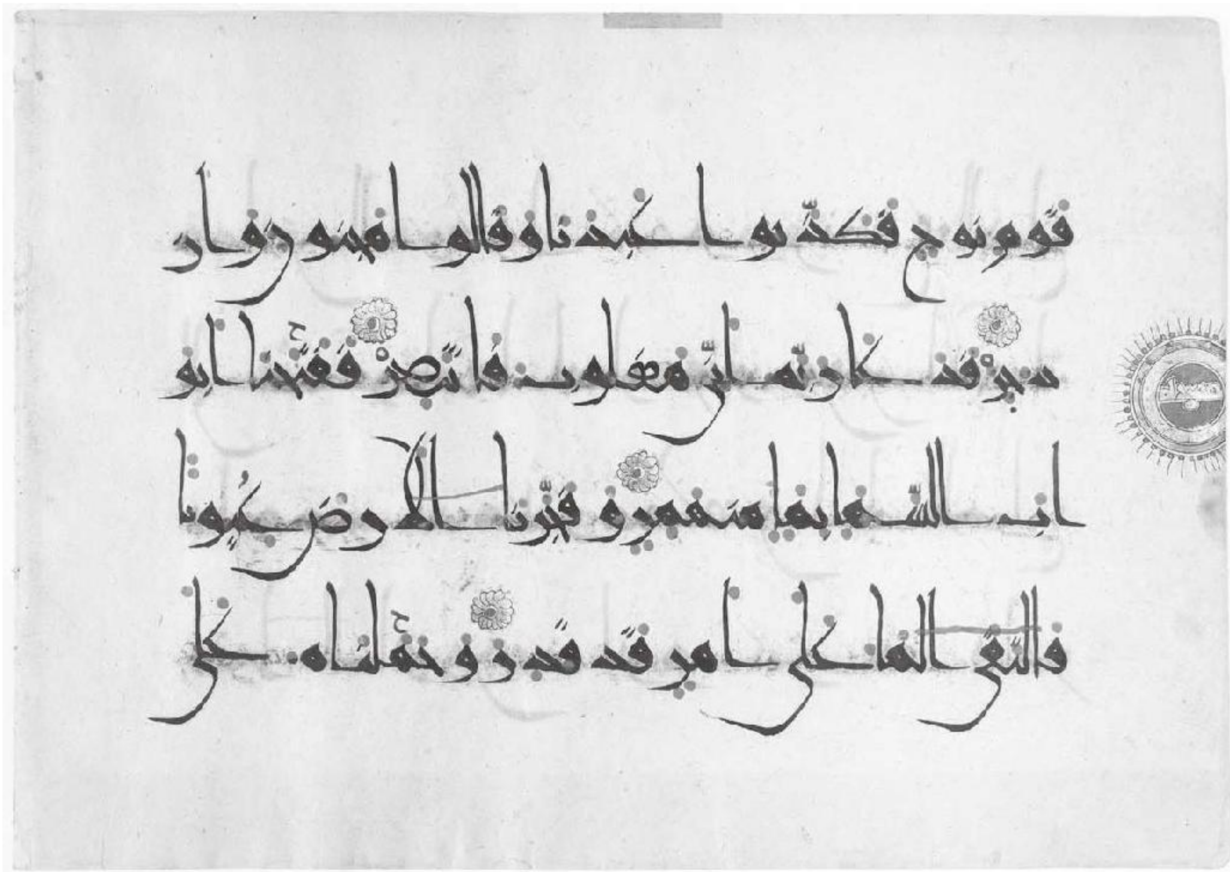
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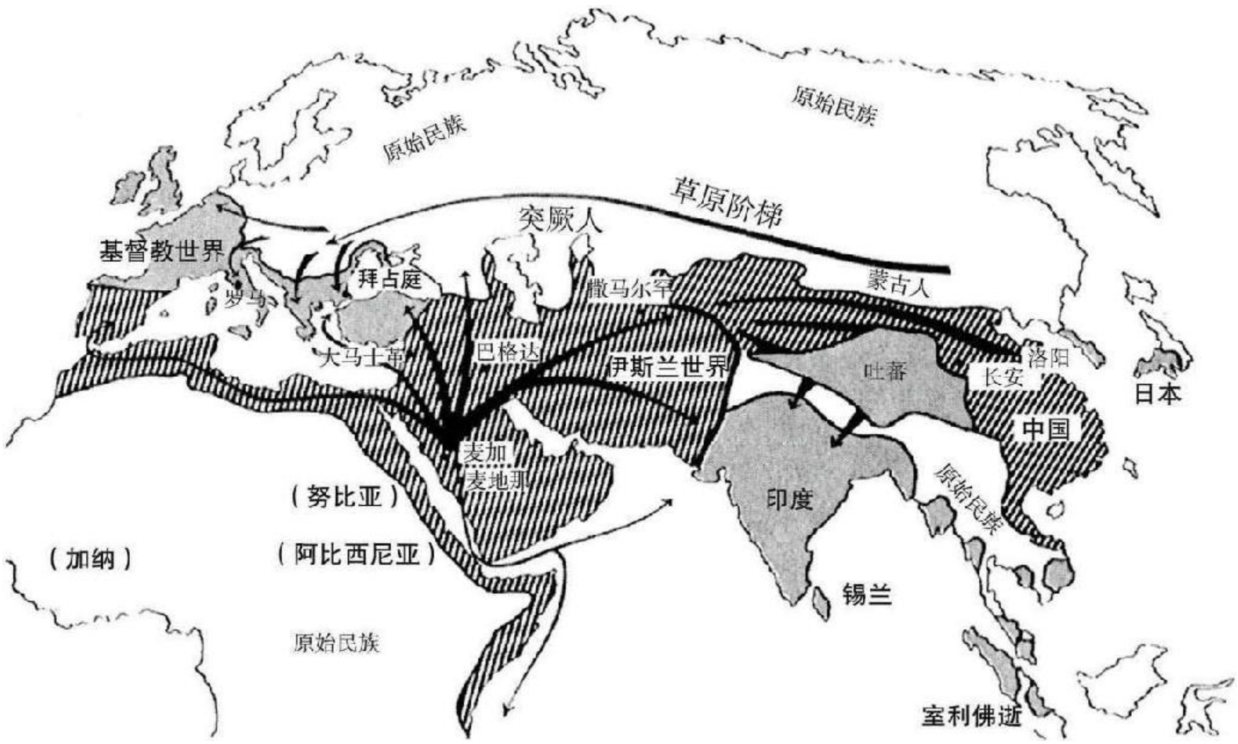
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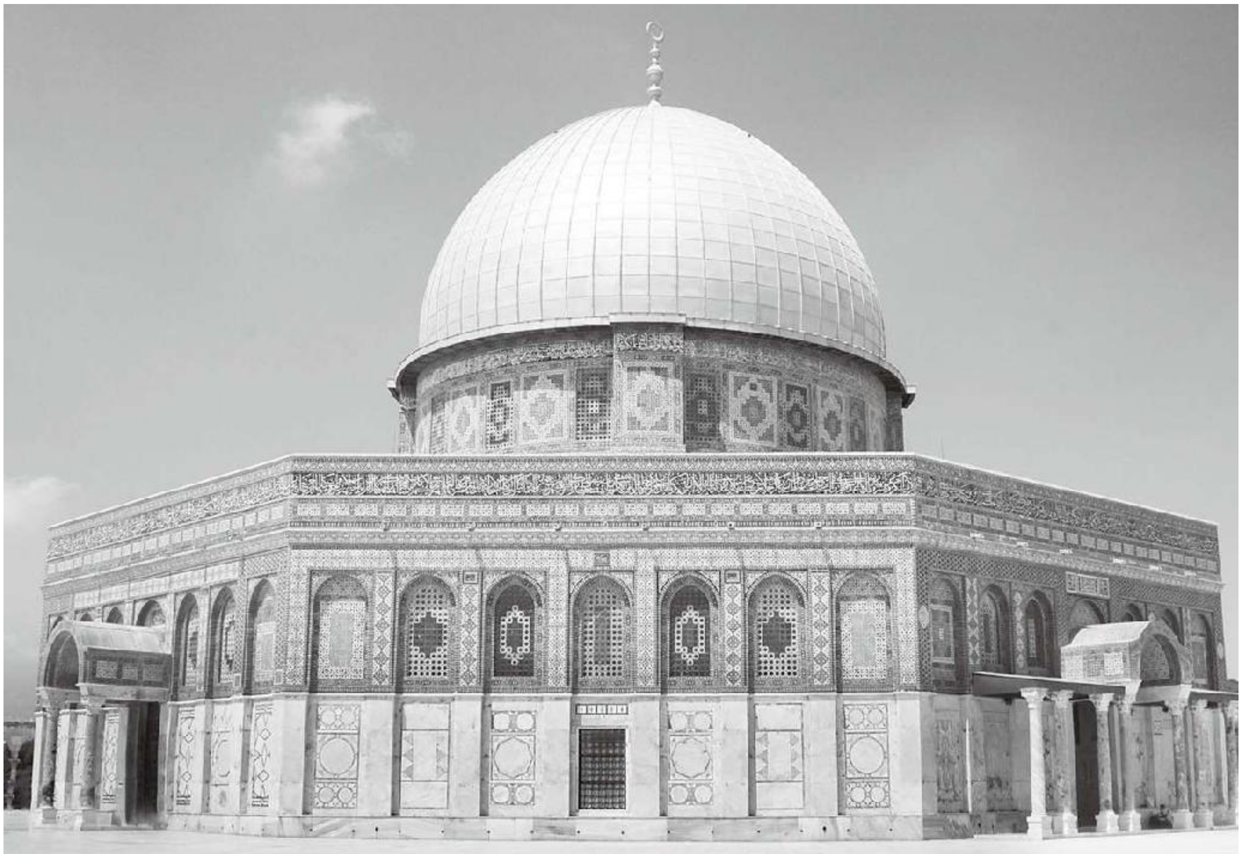
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原始民族
原始民族
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撒马尔罕
蒙古人
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巴格达
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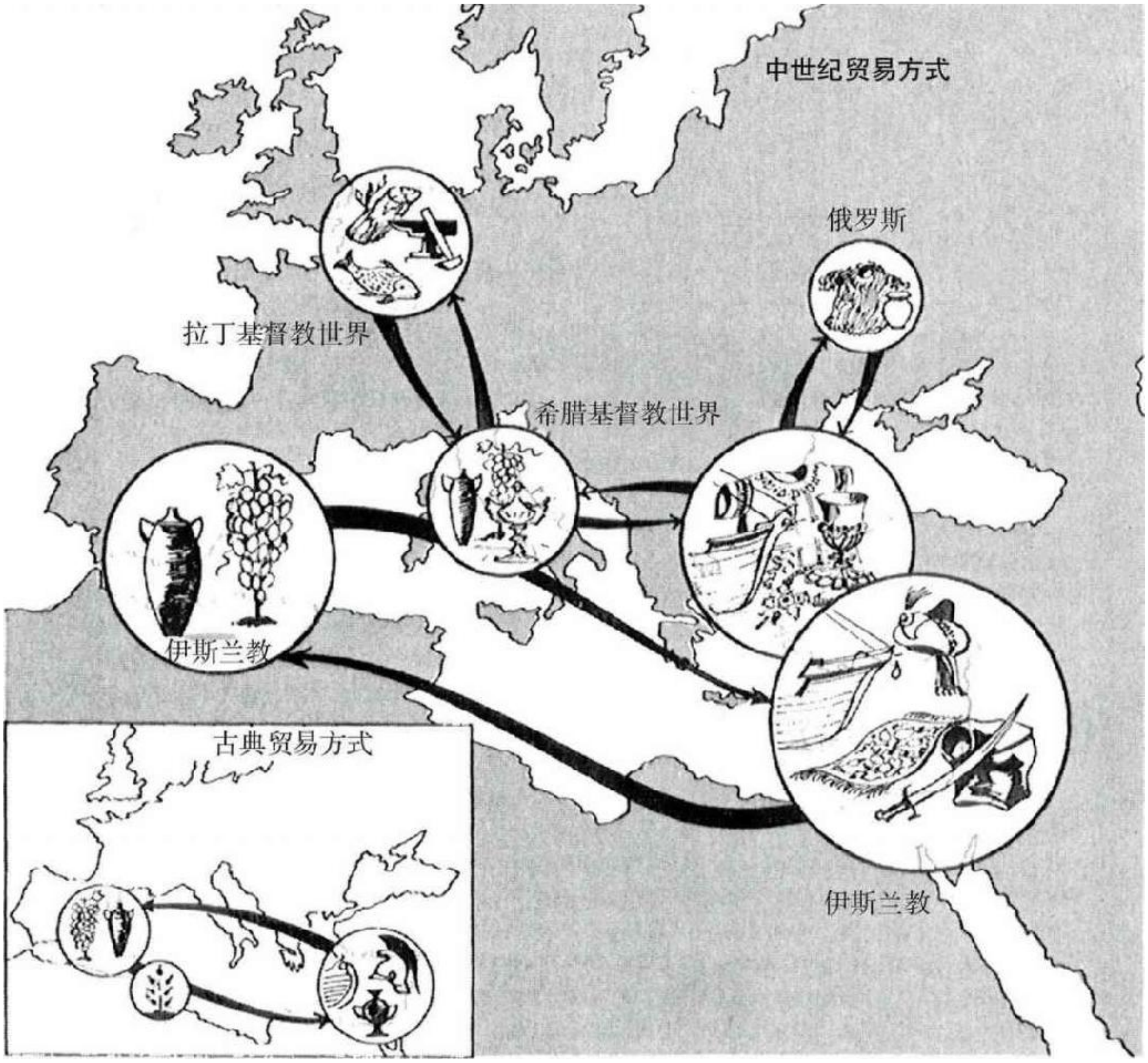
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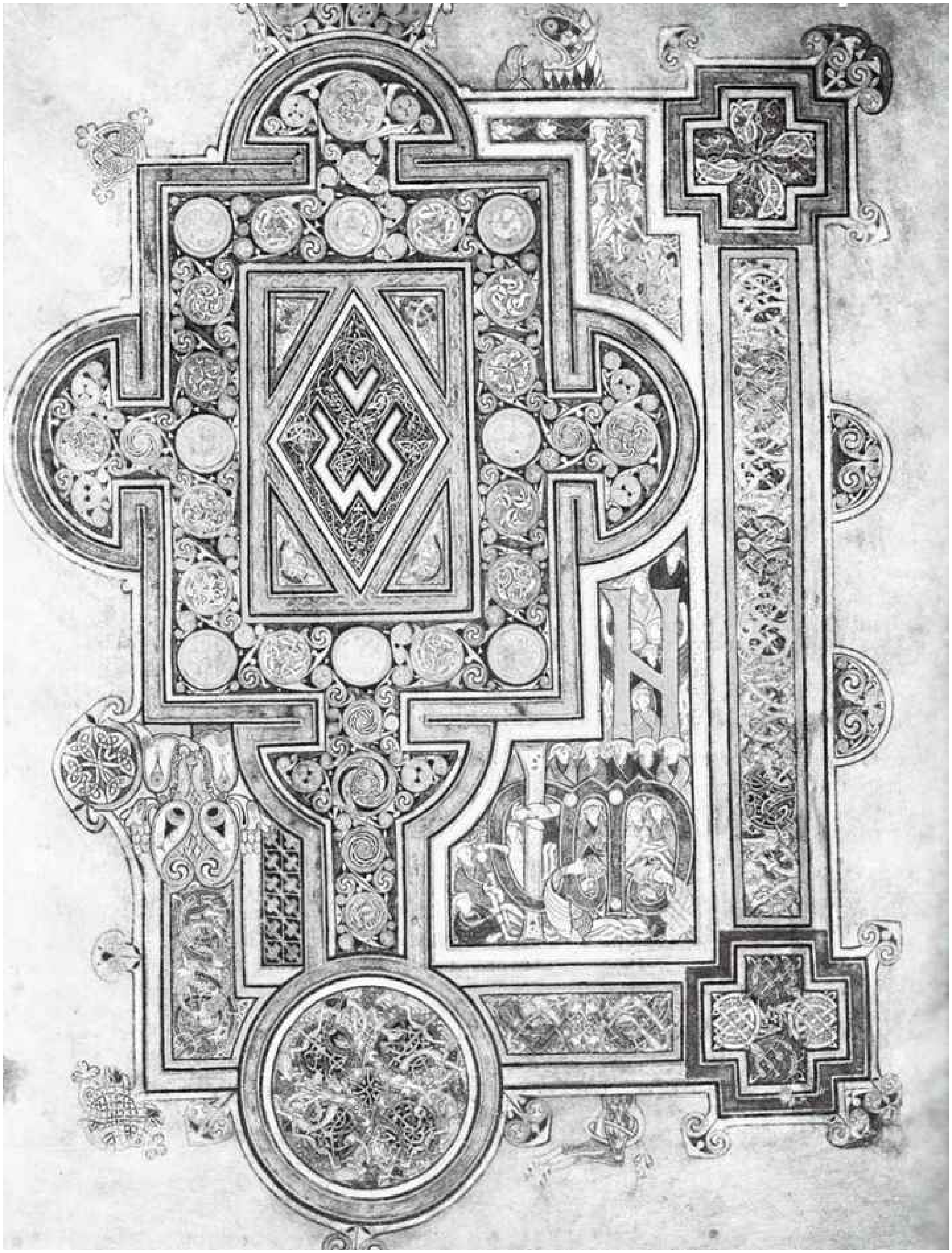
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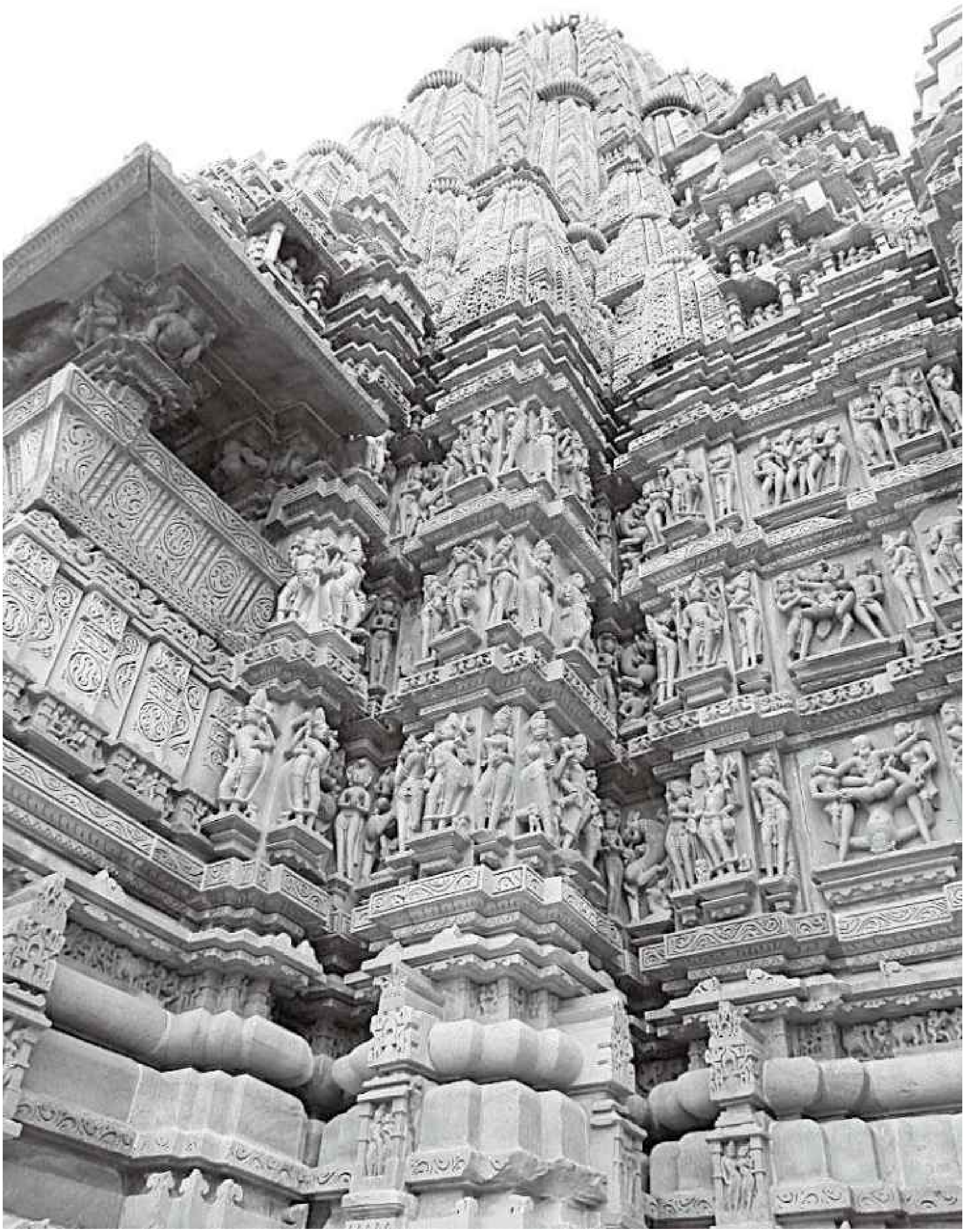
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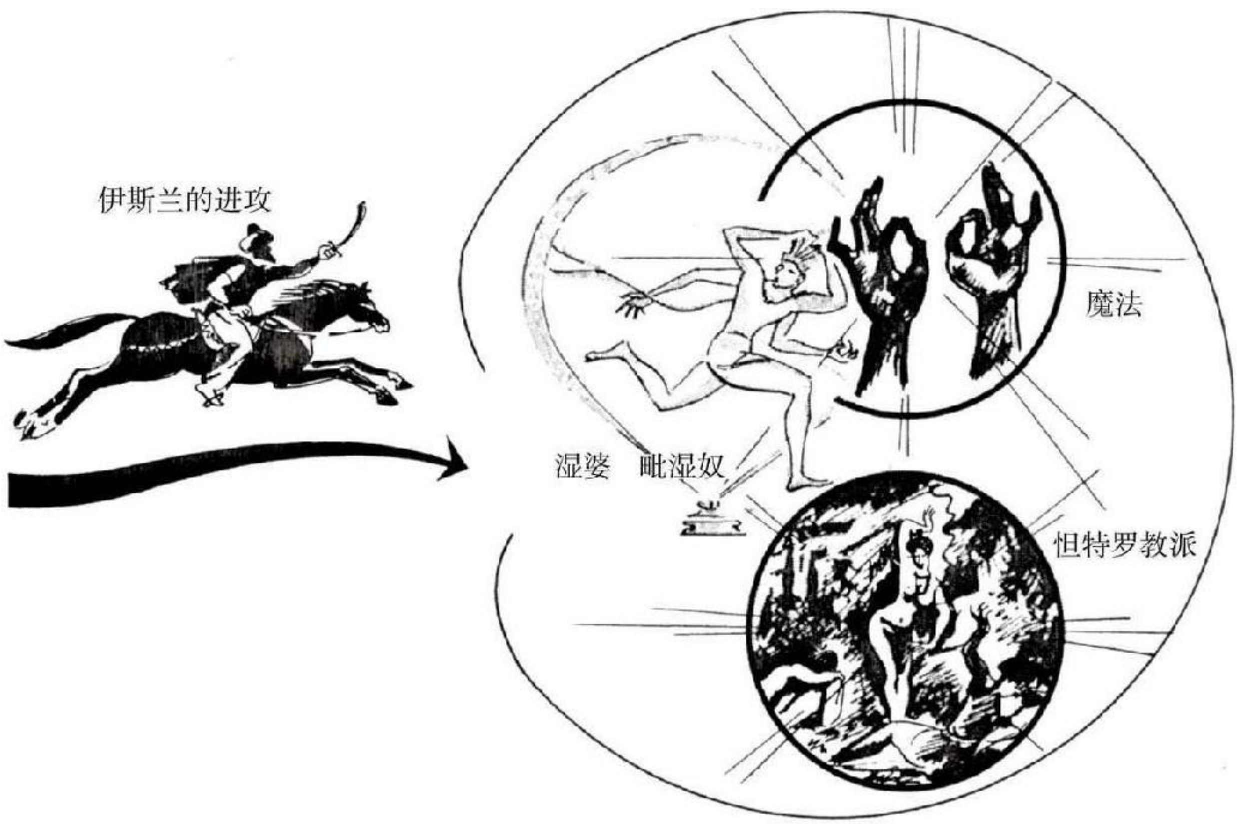




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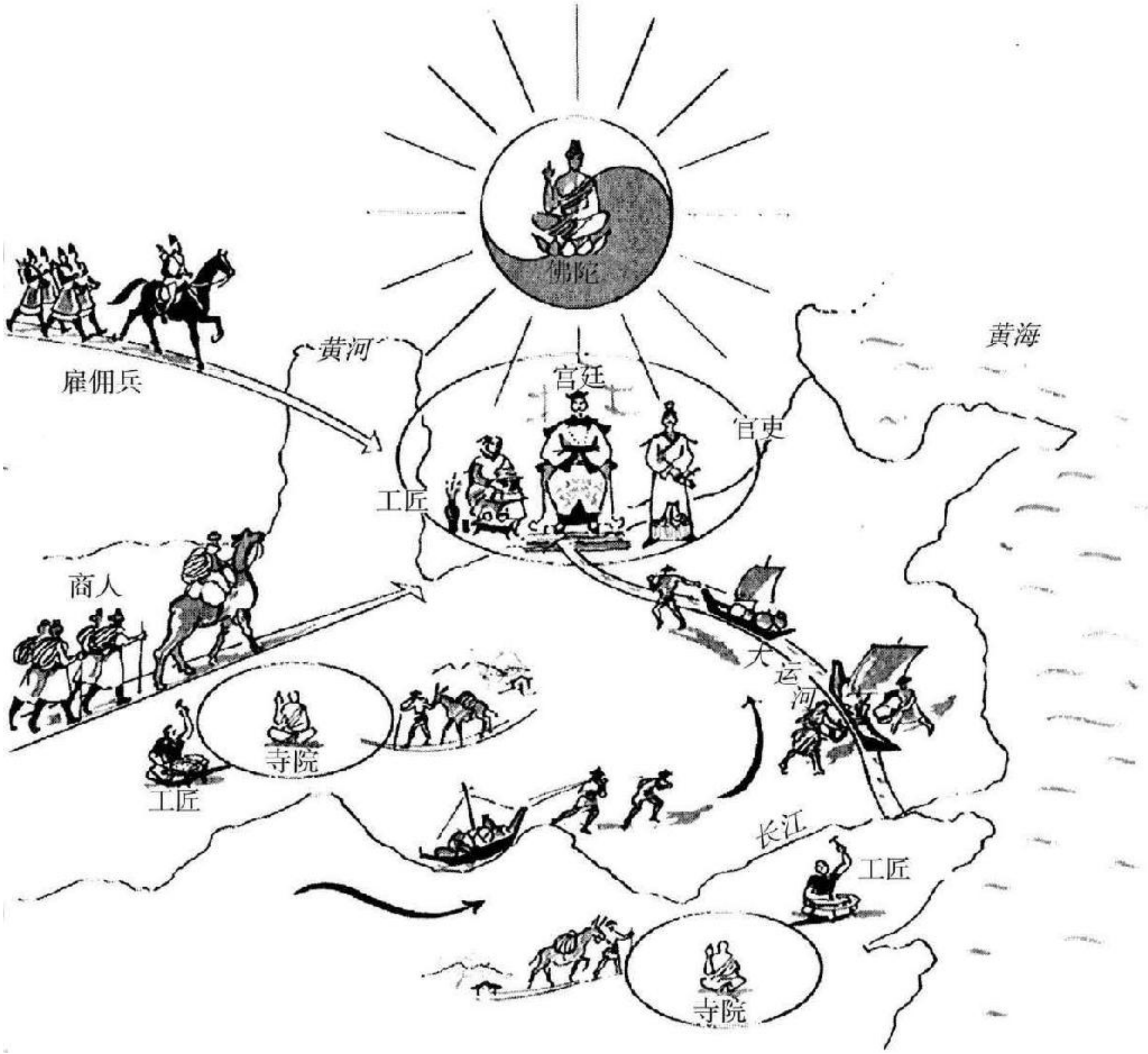
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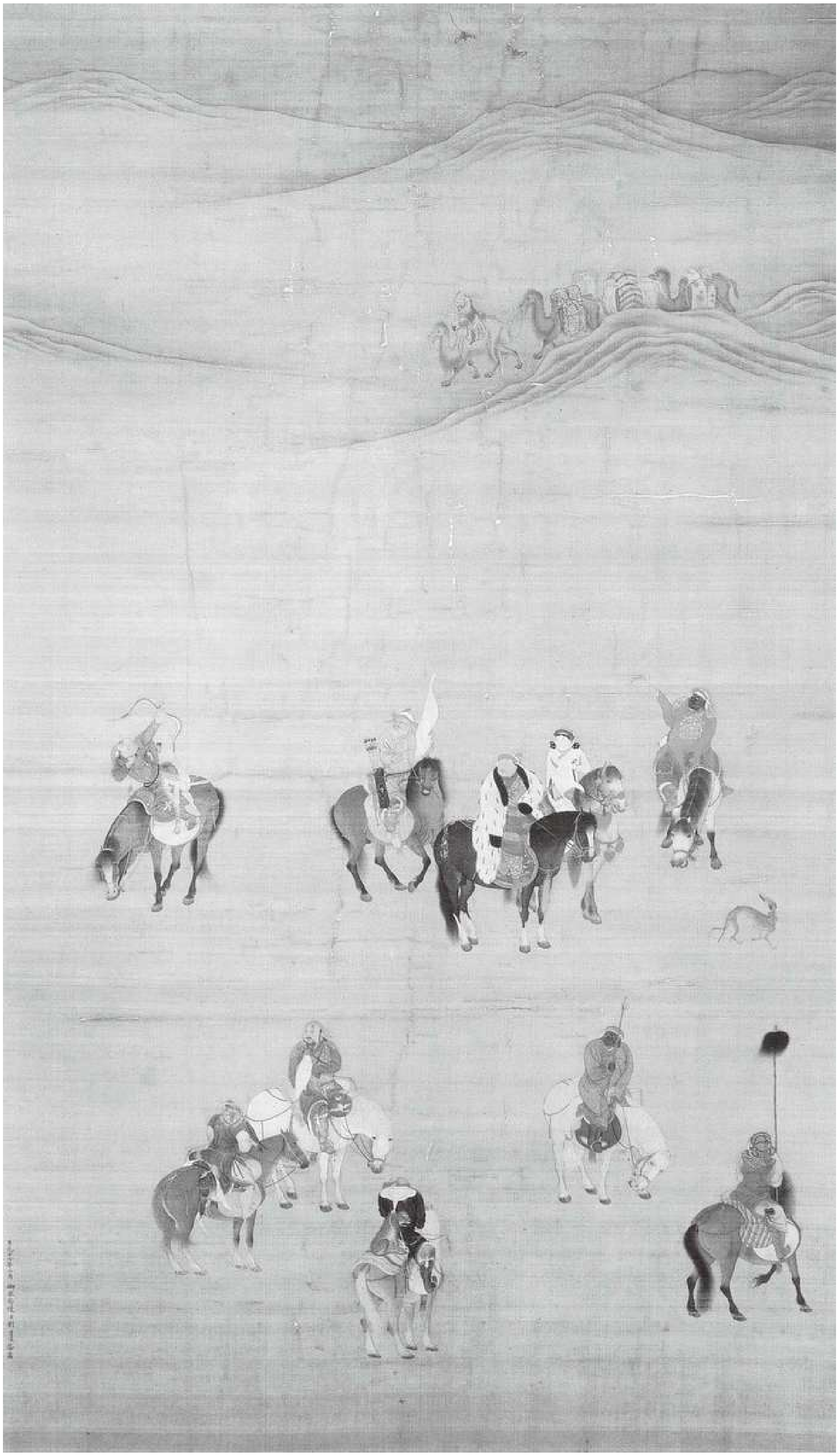
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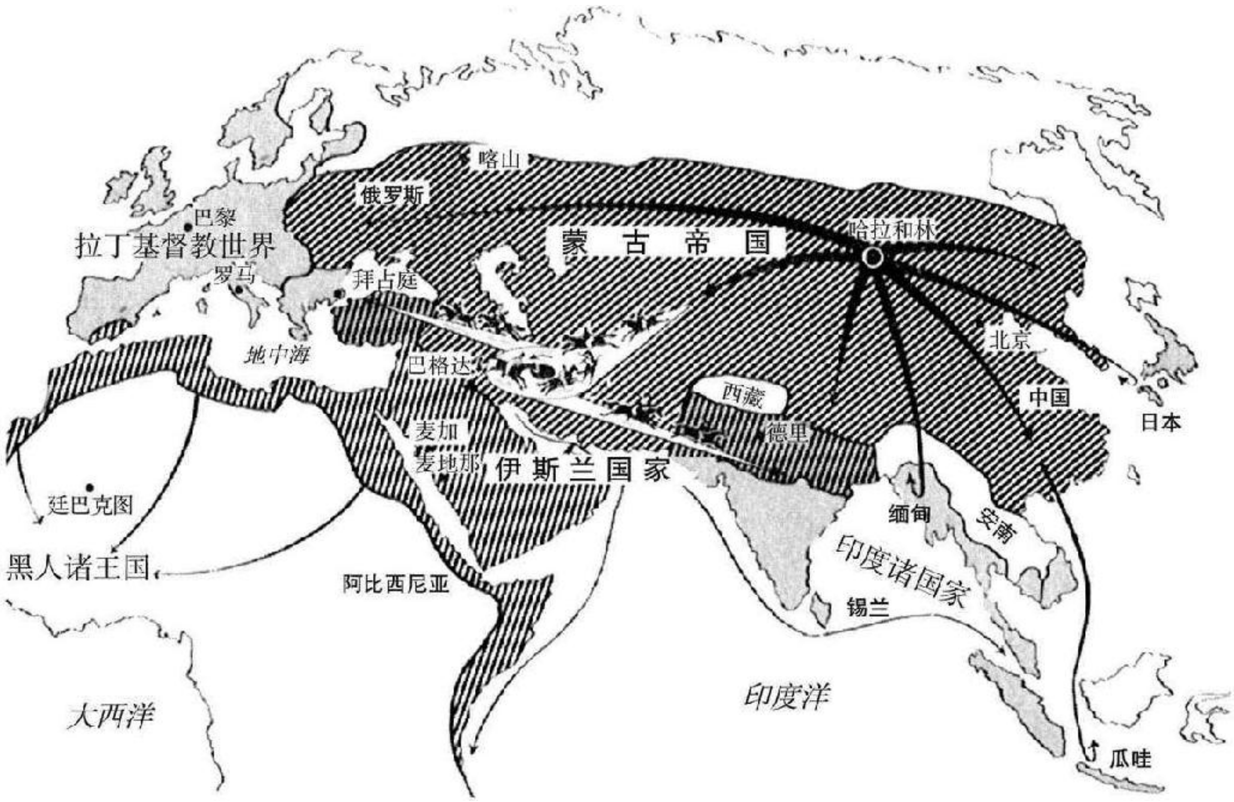
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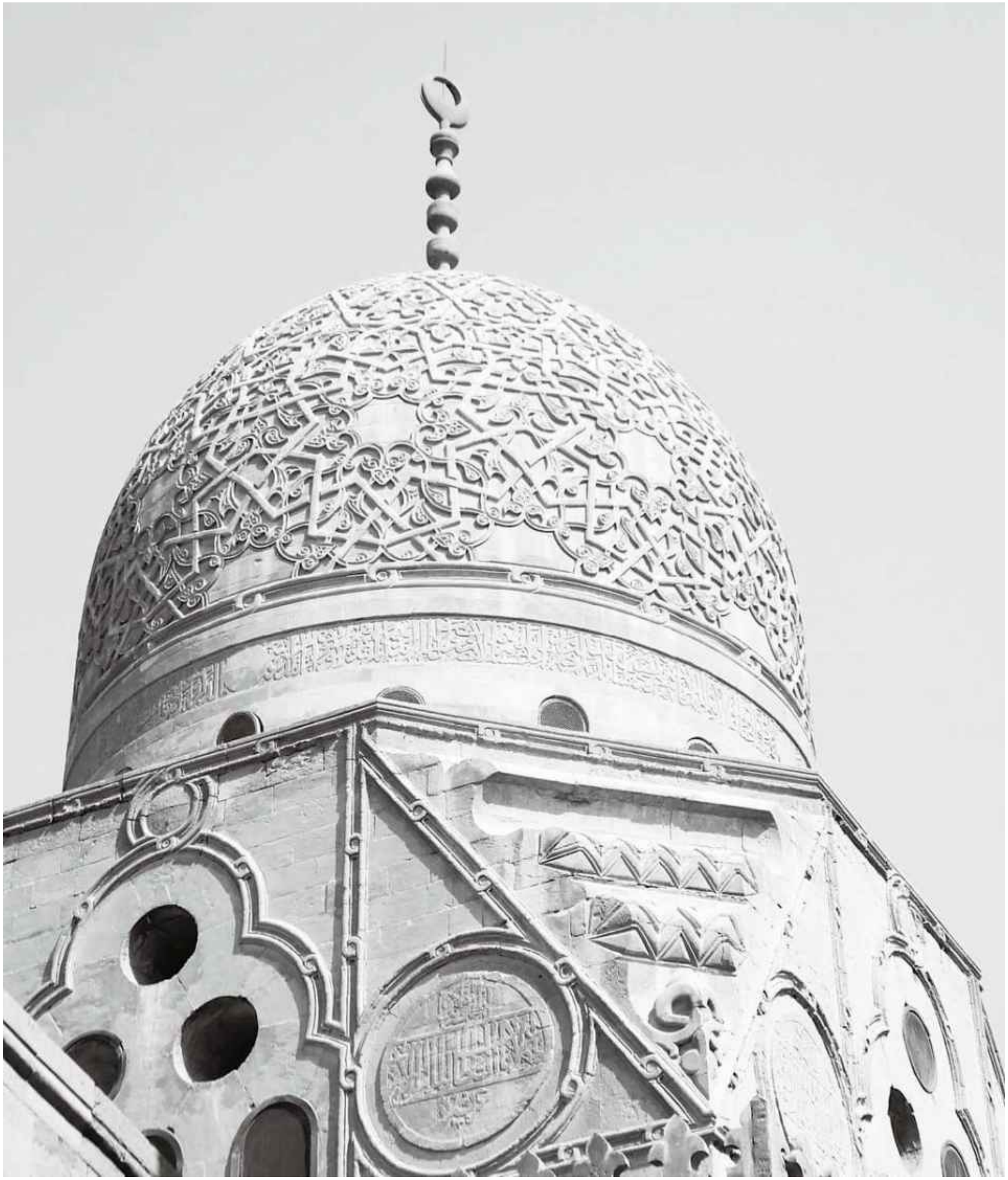
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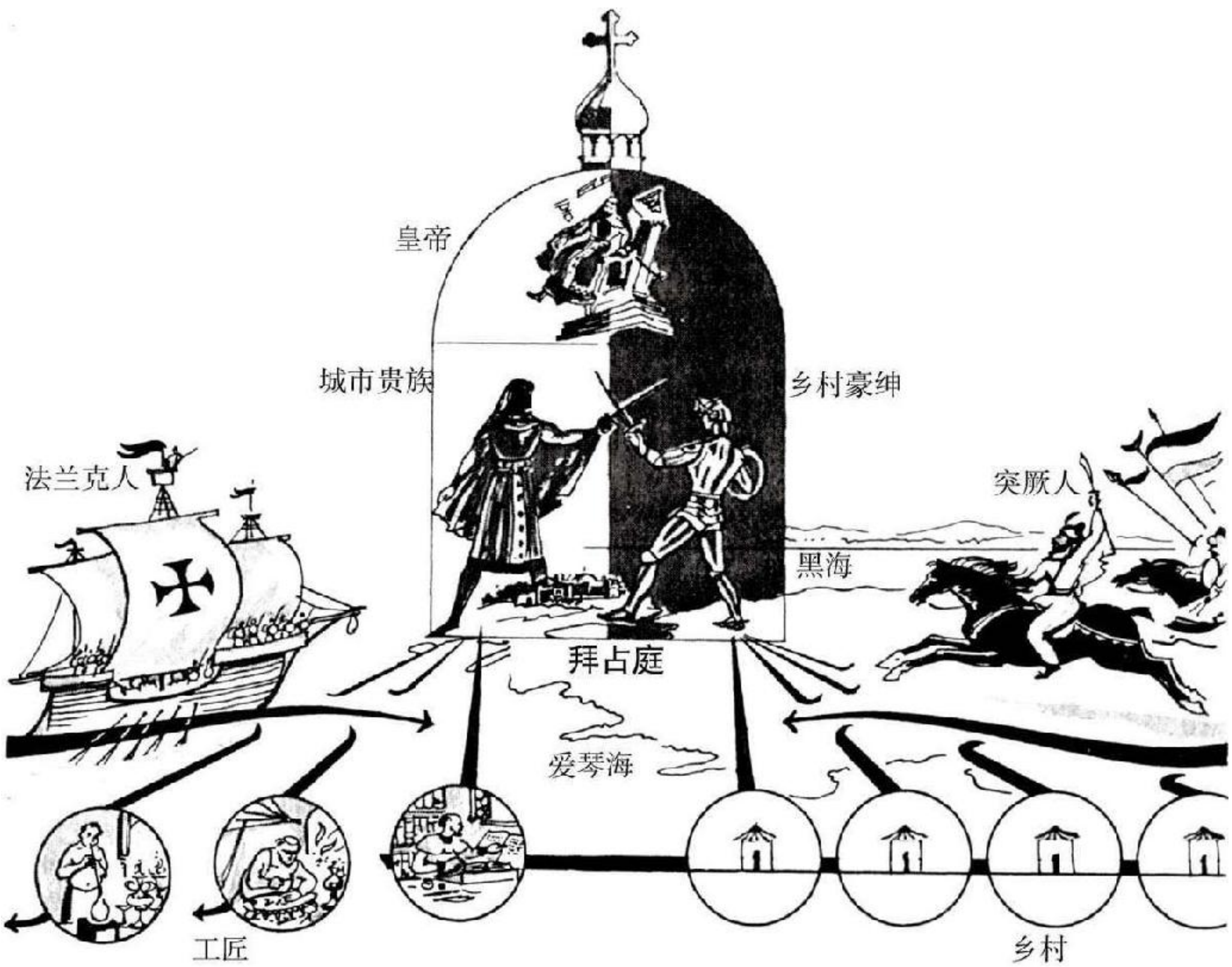
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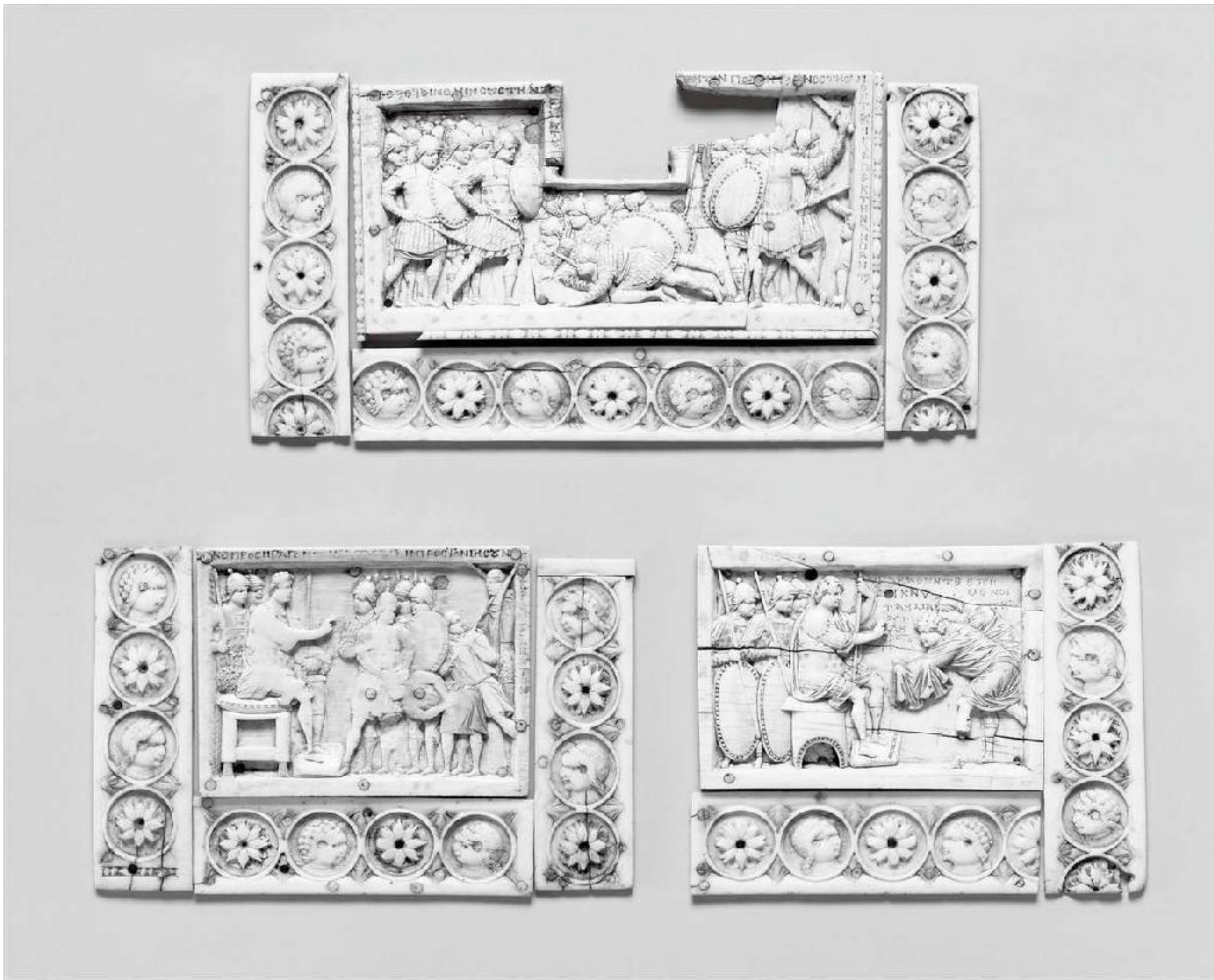
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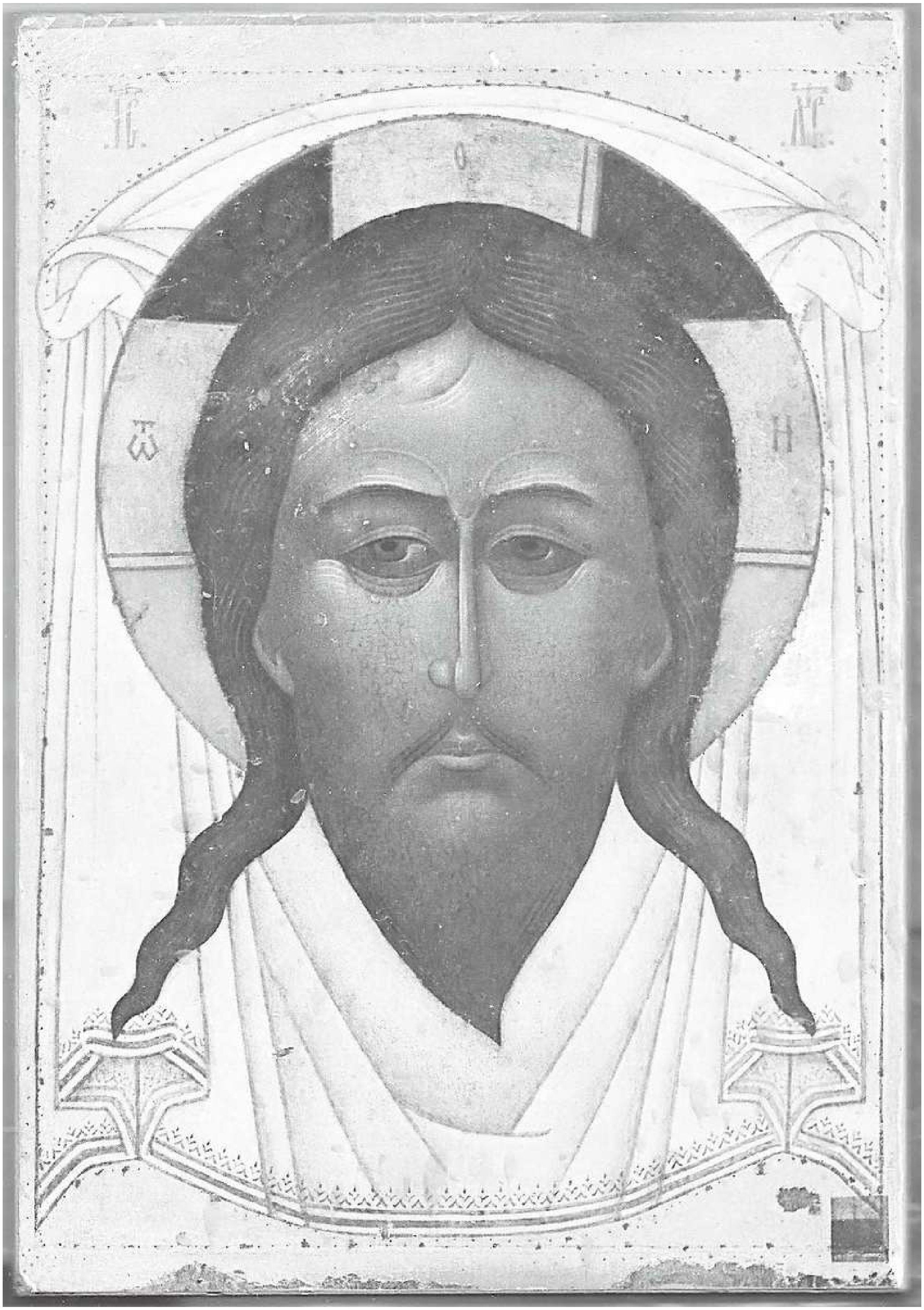
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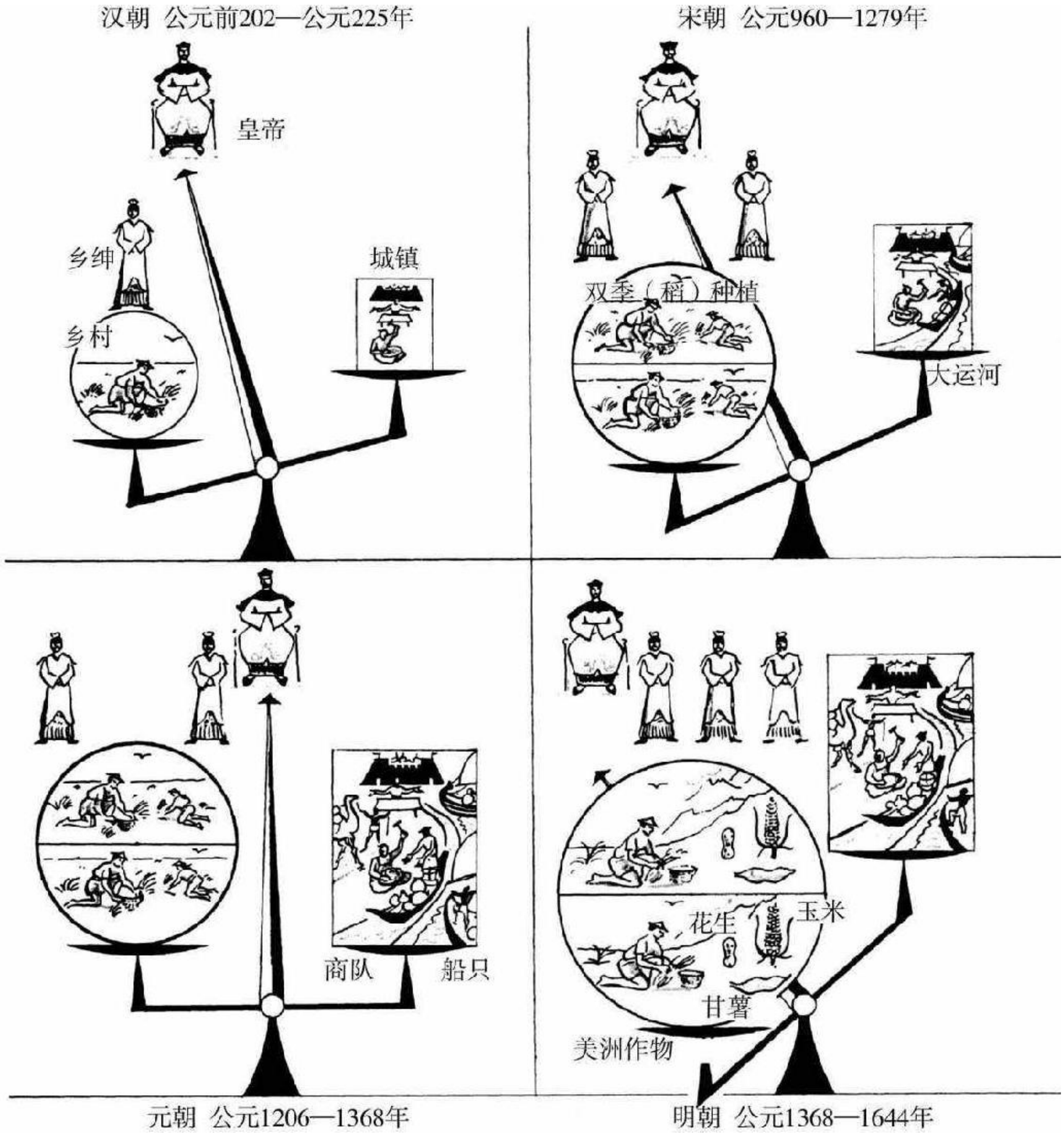
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汉朝 公元前202—公元225年
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乡绅
城镇
乡村
宋朝 公元960—1279年
双季（稻）种植
大运河
元朝 公元1206—1368年
商队
船只
明朝 公元1368—1644年
花生
玉米
甘薯
美洲作物

[illegible]

[illegible][89][illegible]·[illegible]·[illegible]1498[illegible]15[illegible][90][illegible]

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[illegible]·[illegible]1368[illegible]1438[illegible]

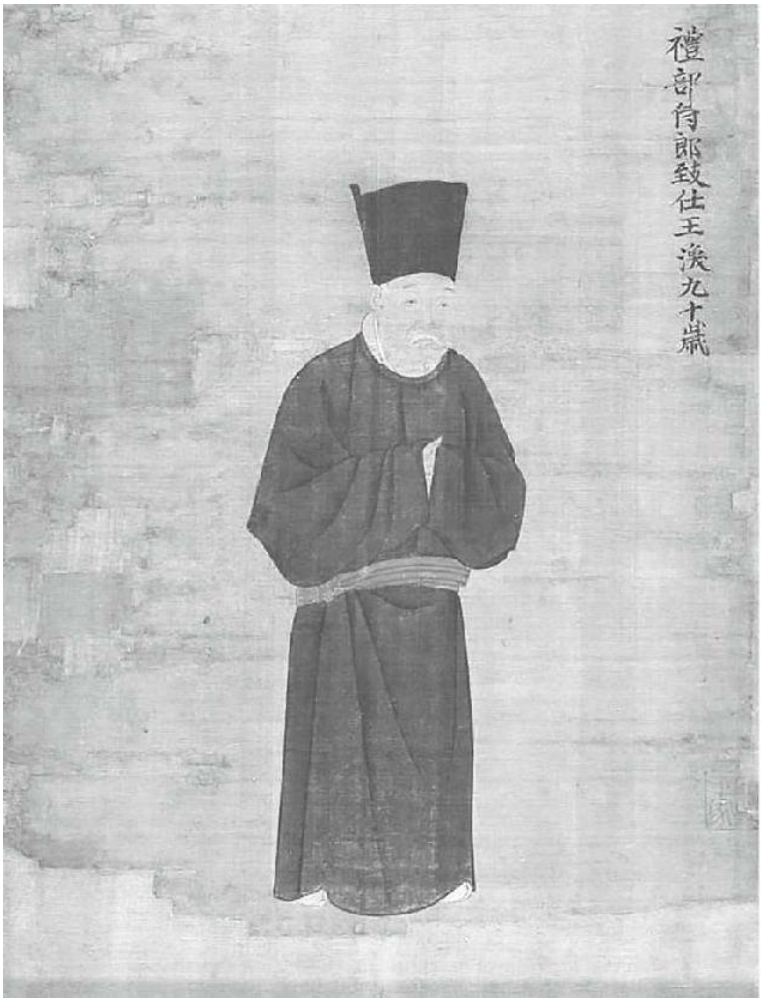
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1200[illegible]“[illegible]”[illegible]

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[illegible]11[illegible]

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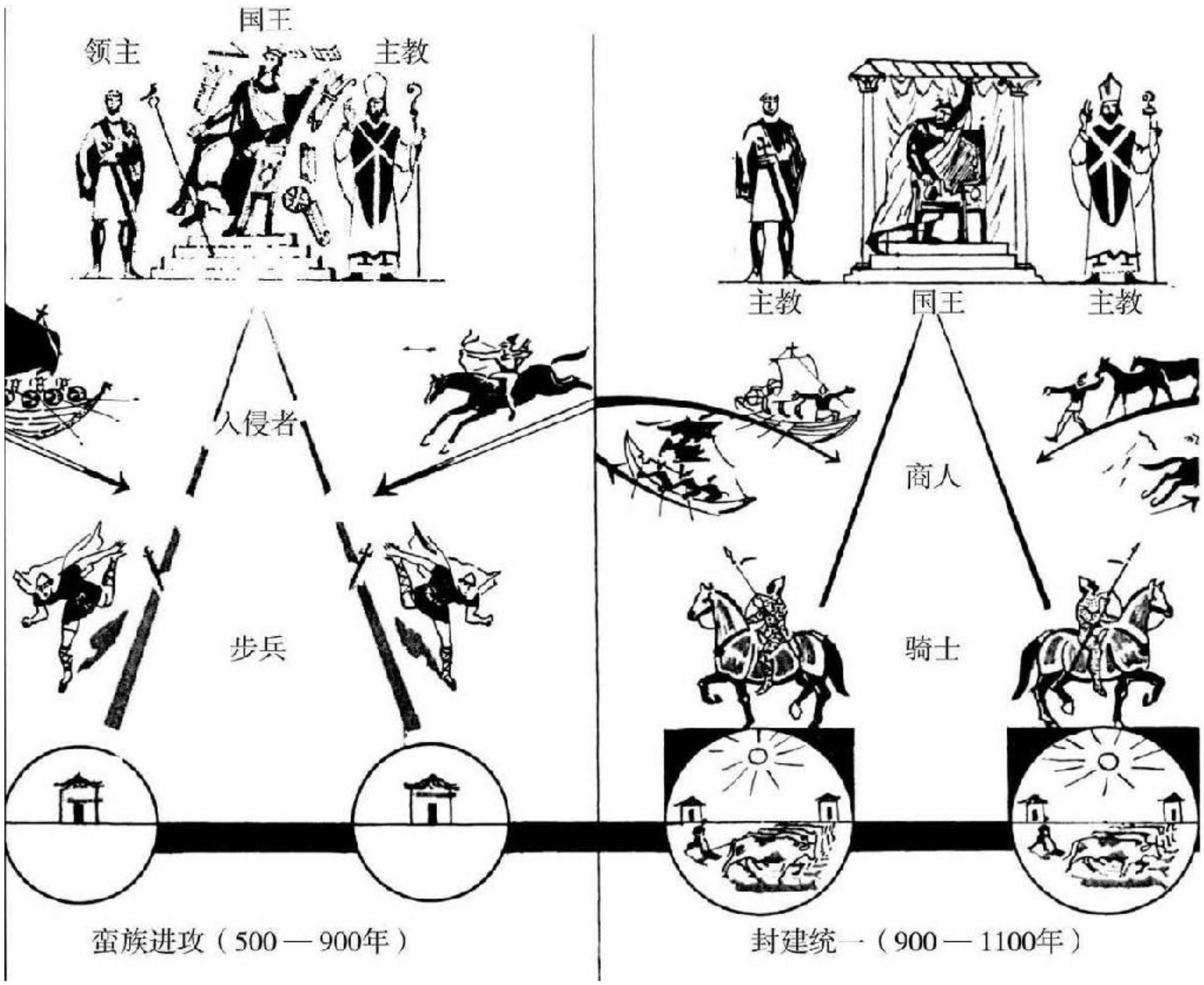
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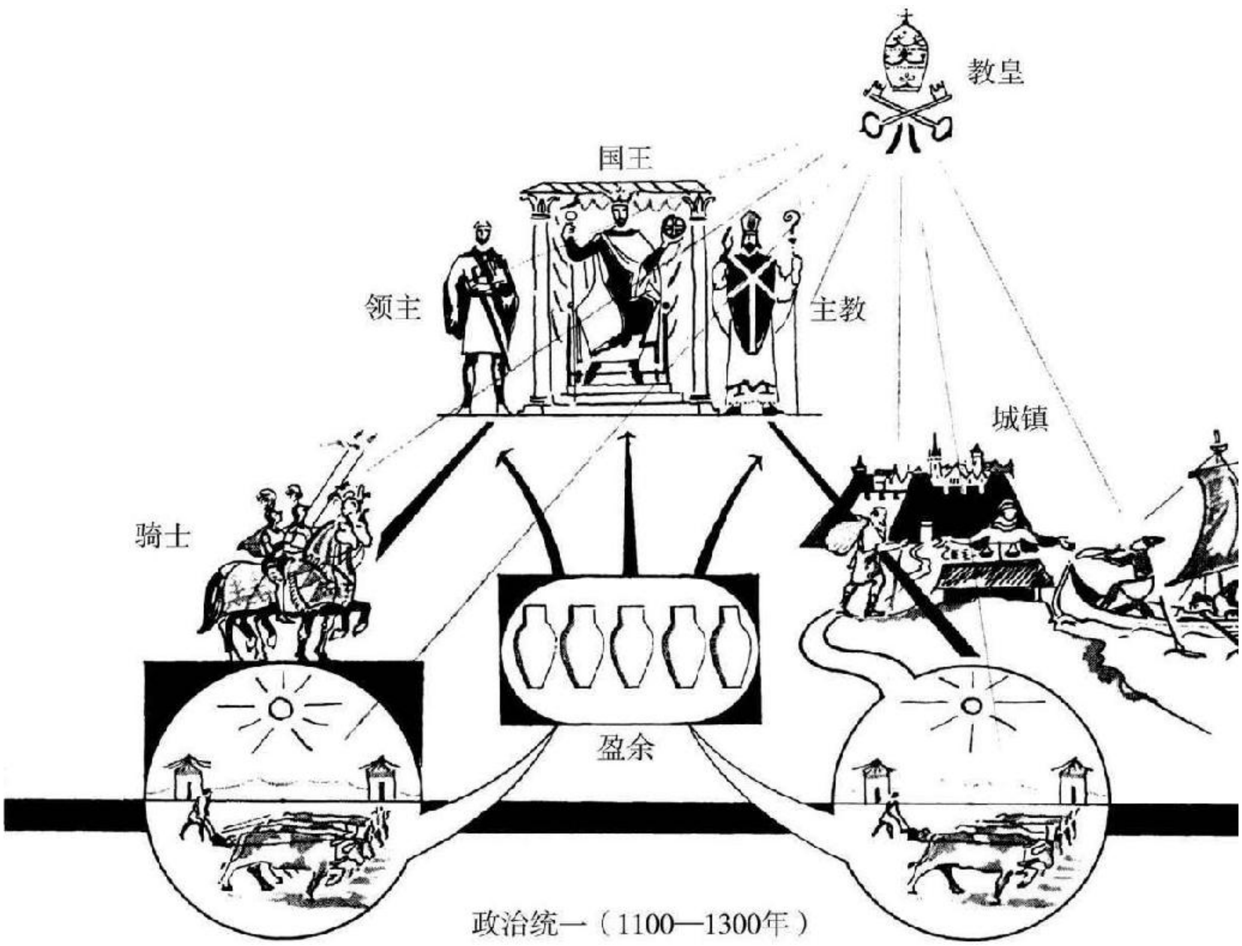
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[illegible]1296[illegible]13[illegible]13[illegible]·[illegible]Philip Augustus[illegible]1180—1223[illegible]Louis Ⅷ[illegible]1223—1226[illegible]6[illegible]


国王
领主
主教
入侵者
步兵
蛮族进攻（500 — 900年）
主教
国王
主教
商人
骑士
封建统一（900 — 1100年）

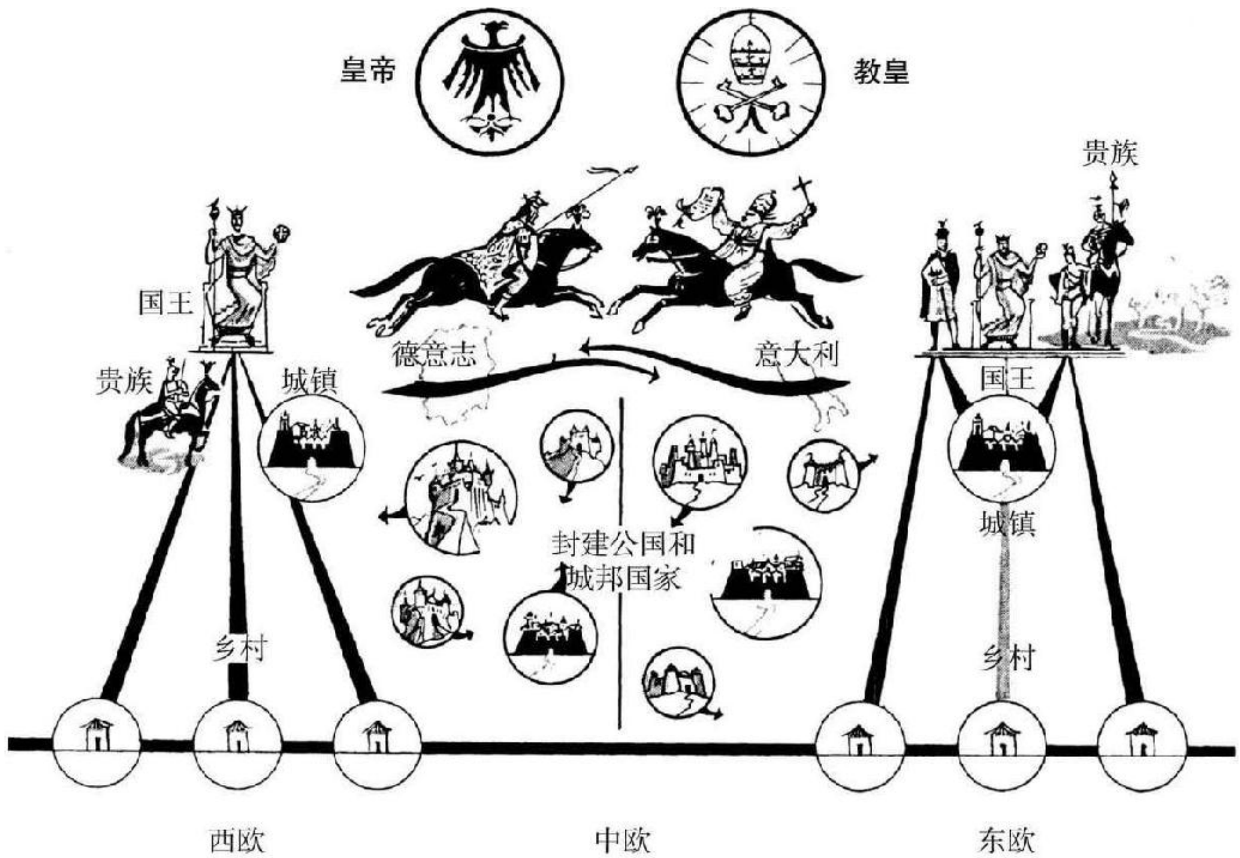


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[illegible]1492[illegible]

15[illegible]14[illegible]15[illegible]Lombard[illegible]Hanseatic[illegible]1300[illegible]1494[illegible]



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[117] [illegible]

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[illegible]

[illegible]St. Anselm[illegible]1109[illegible]·[illegible]Peter Abelard[illegible]1142[illegible]

11—15[illegible]1198—1216[illegible]1294—1303[illegible]13[illegible]15[illegible]15[illegible]“[illegible]”[illegible]

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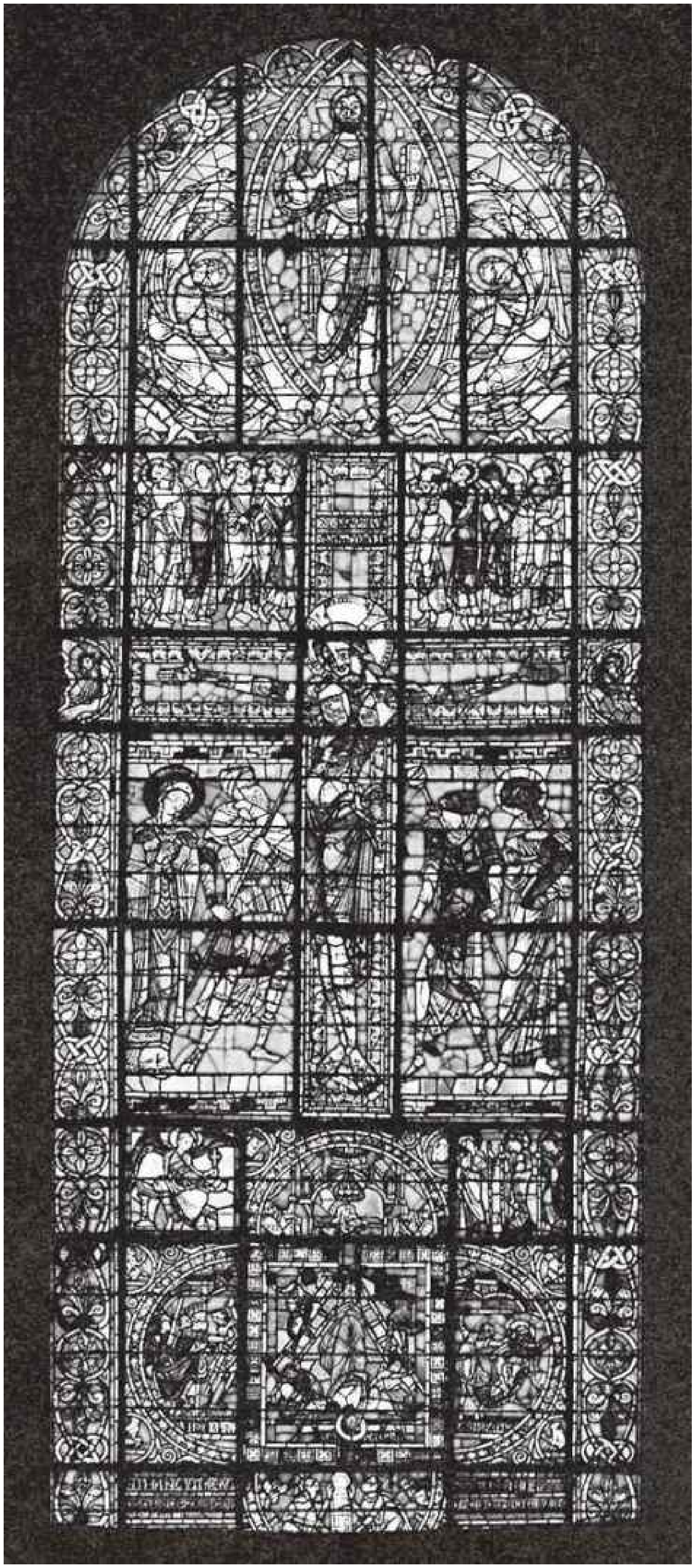
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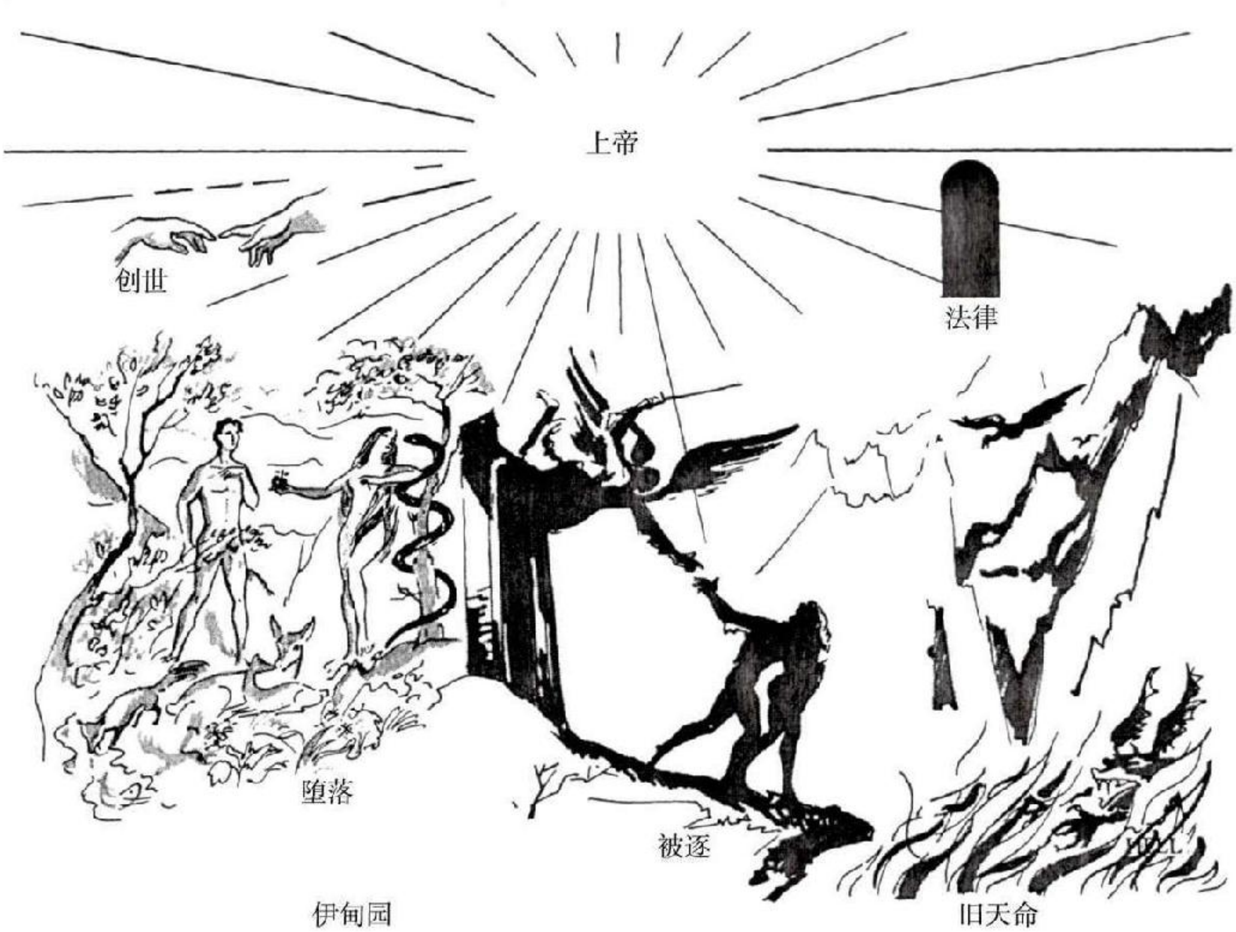
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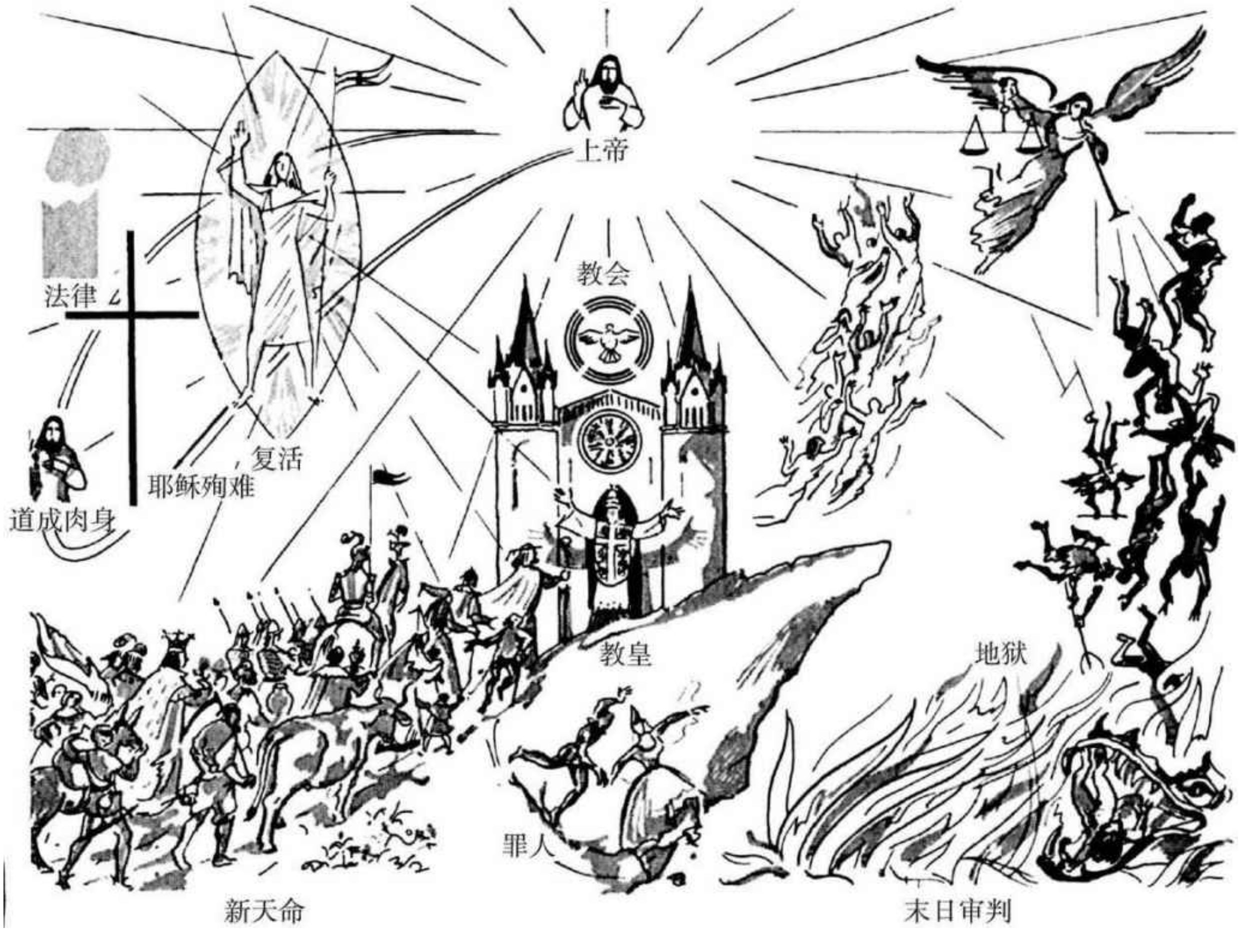


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□□□□Poitiers□□□



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[illegible]

[illegible]Toledo[illegible]Salerno[illegible]Salamanca[illegible]

12[illegible]·[illegible]

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[illegible]14[illegible]——[illegible]——[illegible]

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[illegible] fabliaux [illegible] 1321 [illegible] “[illegible]” [illegible] miracle [illegible]

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[illegible]

[illegible]1500[illegible]

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1500[illegible][126]

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[illegible]19[illegible]

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1850[illegible]1945[illegible]

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[illegible]20[illegible]1500[illegible]

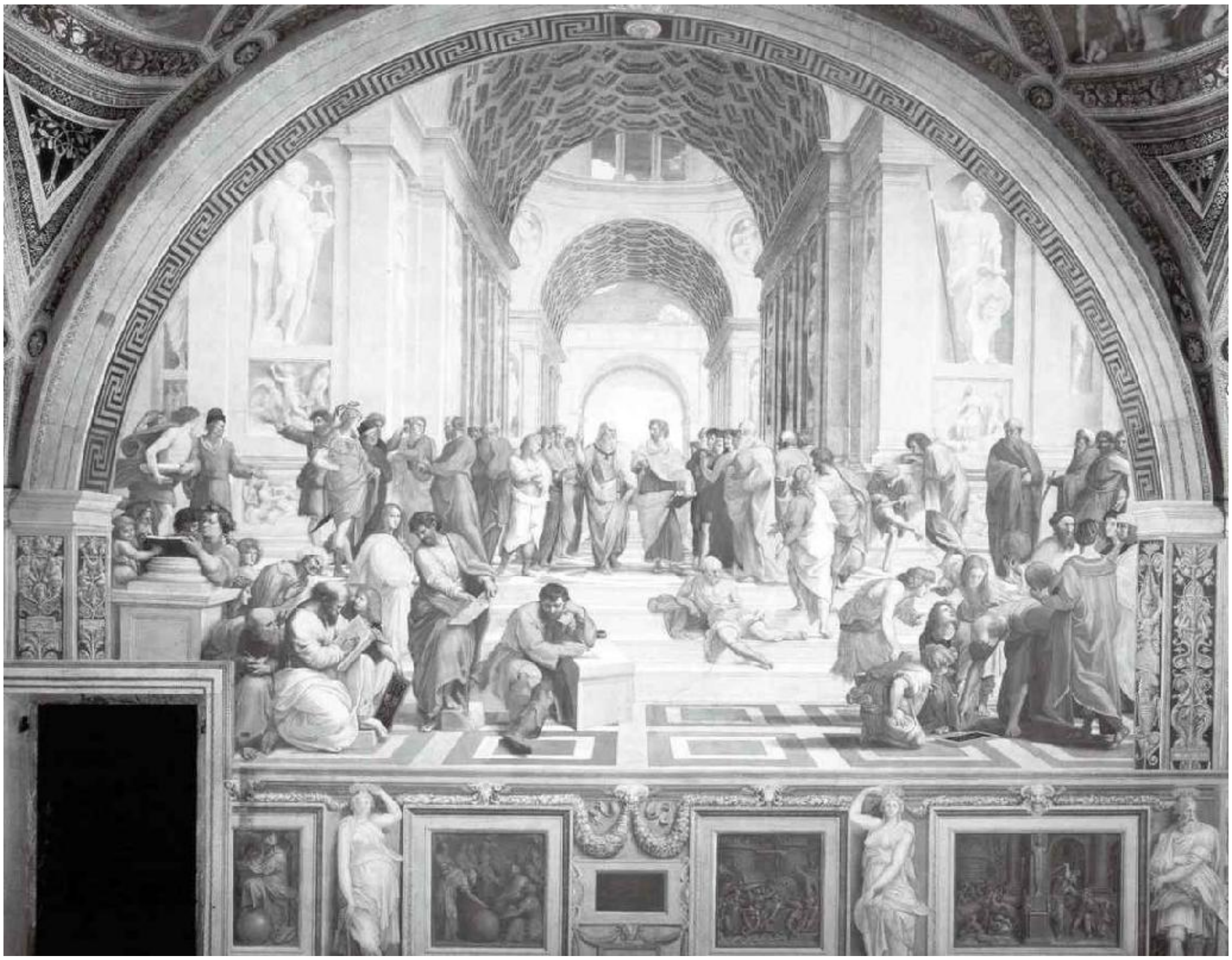
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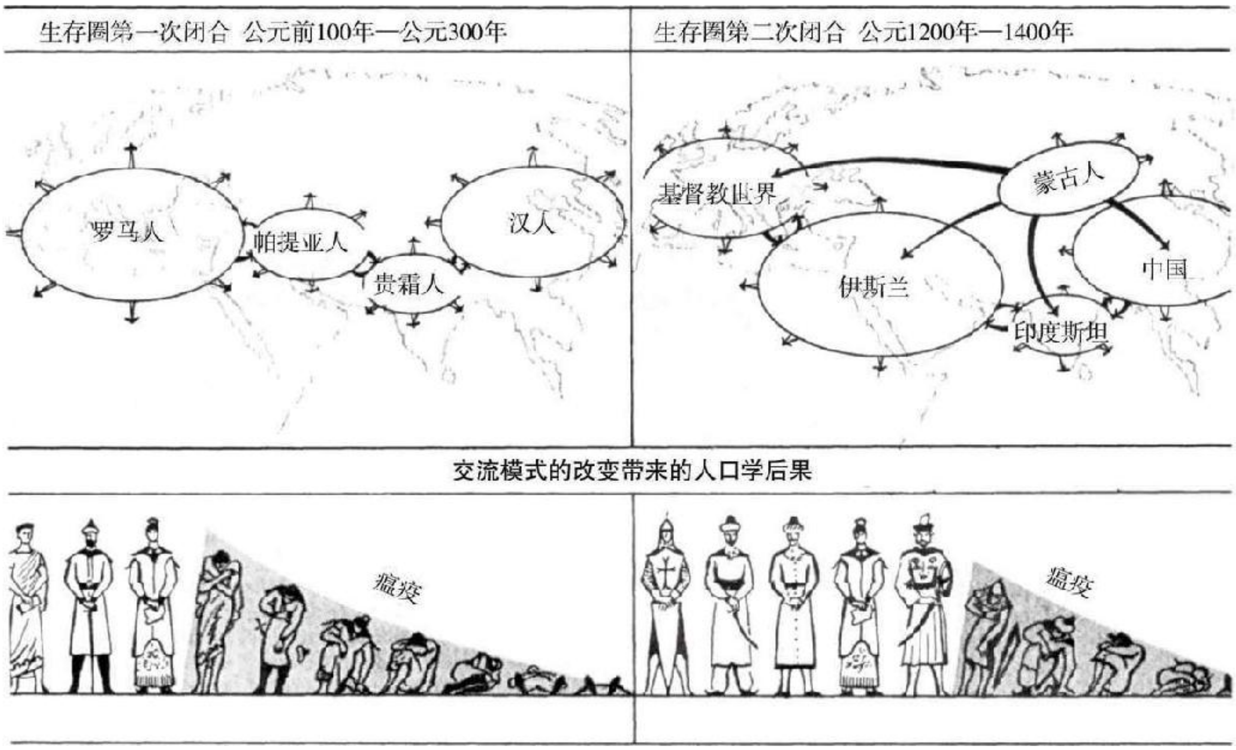
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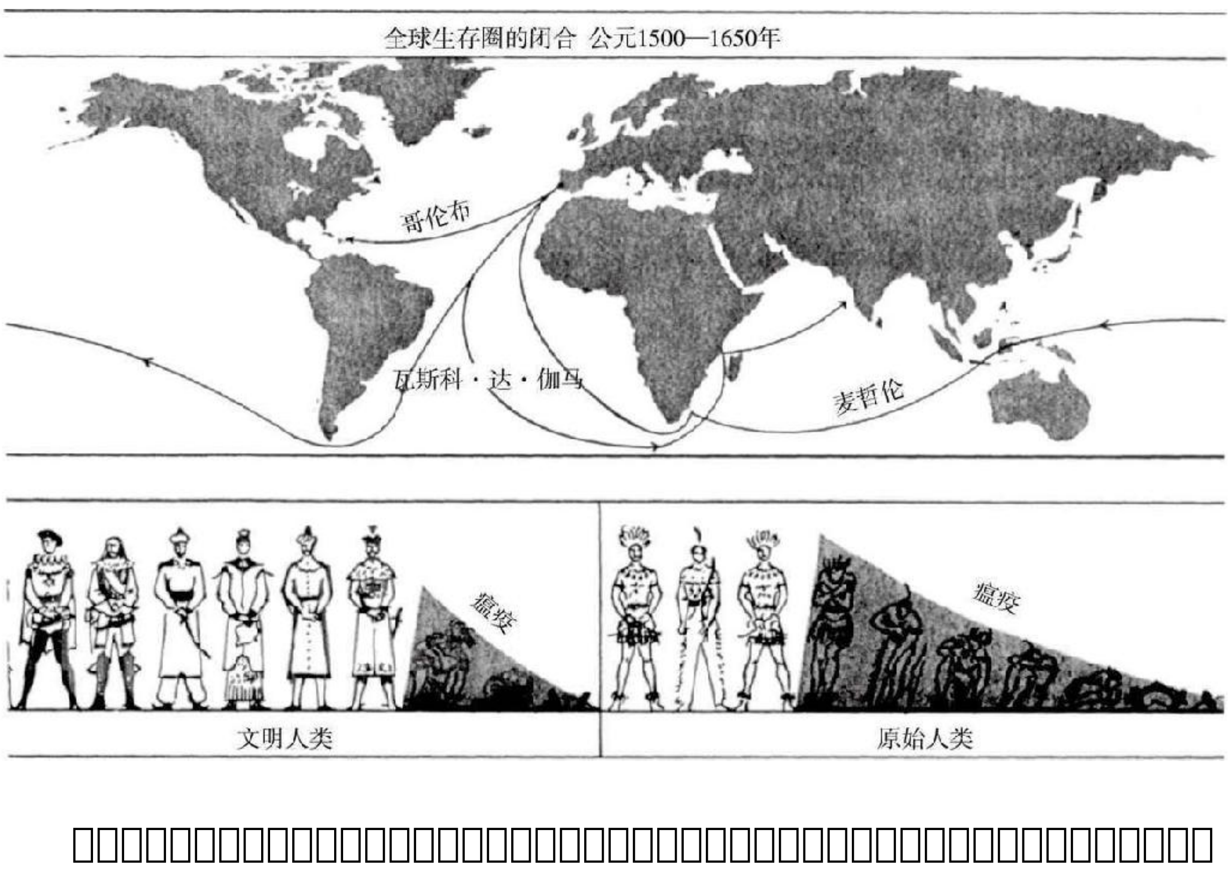
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生存圈第一次闭合 公元前100年—公元300年
罗马人
帕提亚人
贵霜人
汉人
生存圈第二次闭合 公元1200年—1400年
基督教世界
蒙古人
伊斯兰
中国
印度斯坦
交流模式的改变带来的人口学后果
瘟疫
瘟疫


全球生存圈的闭合 公元1500—1650年
哥伦布
瓦斯科·达·伽马
麦哲伦
瘟疫
瘟疫
文明人类
原始人类

□□□
□□□□□□1492□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□



16 1568 1588

1594 [12] 1618 1641

1644

1607 1608 1613

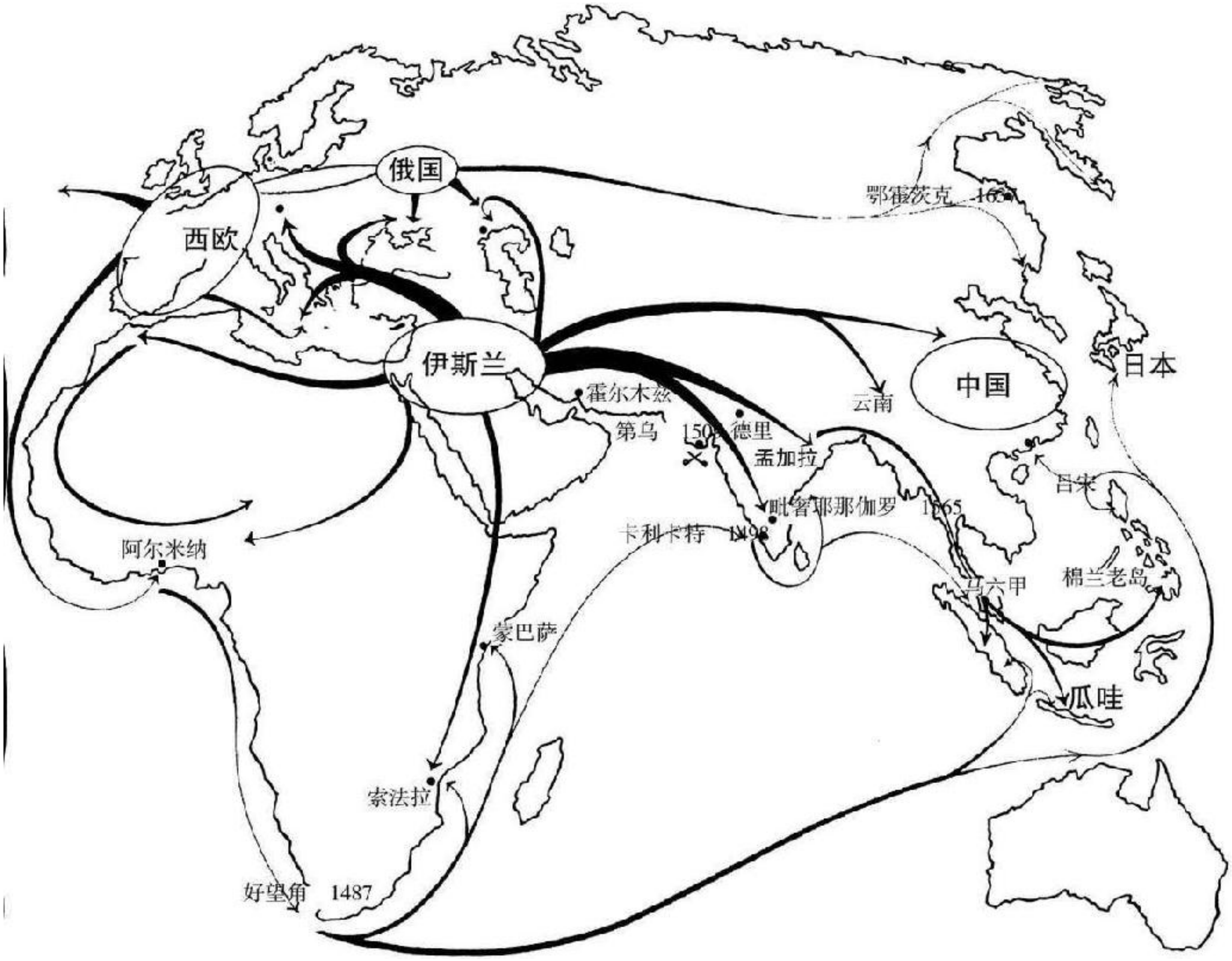
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1507—1512 1526—1688 1621—1683

1500 17 17 1700

1700

[illegible]



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[illegible]

[illegible]

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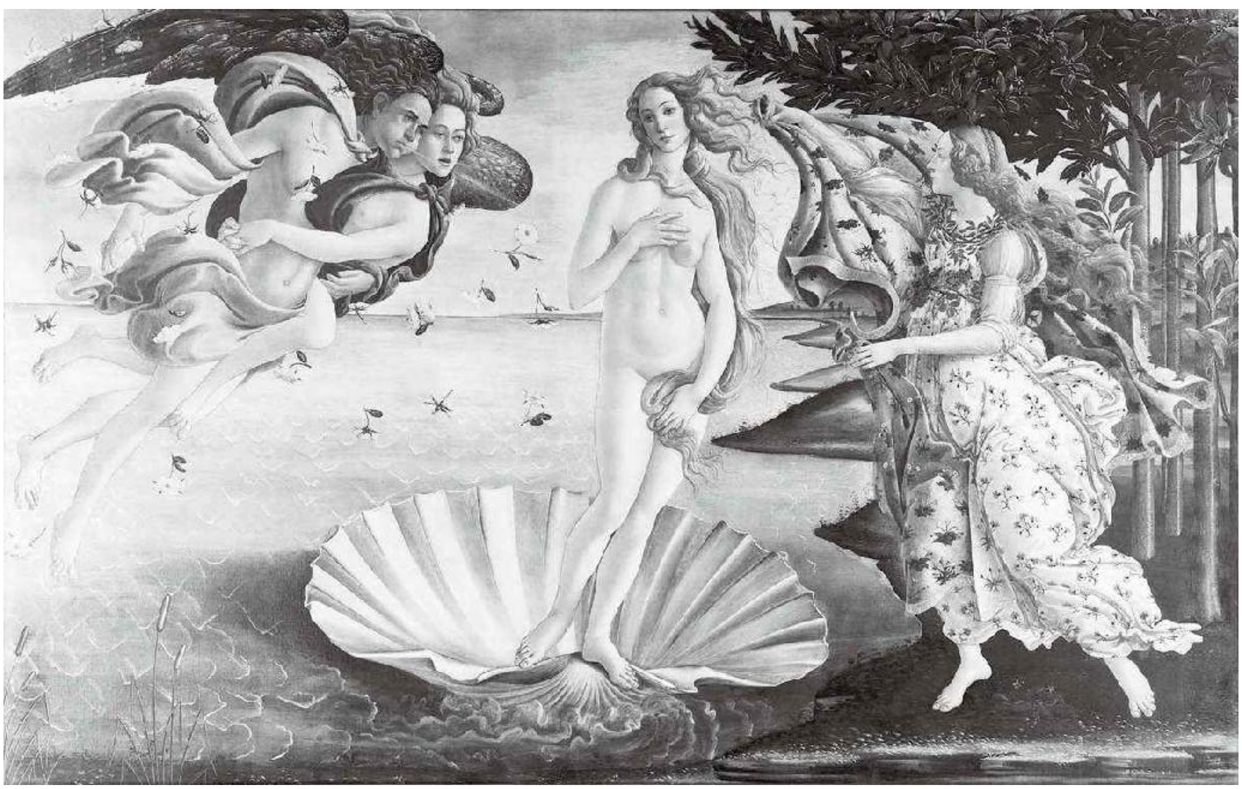
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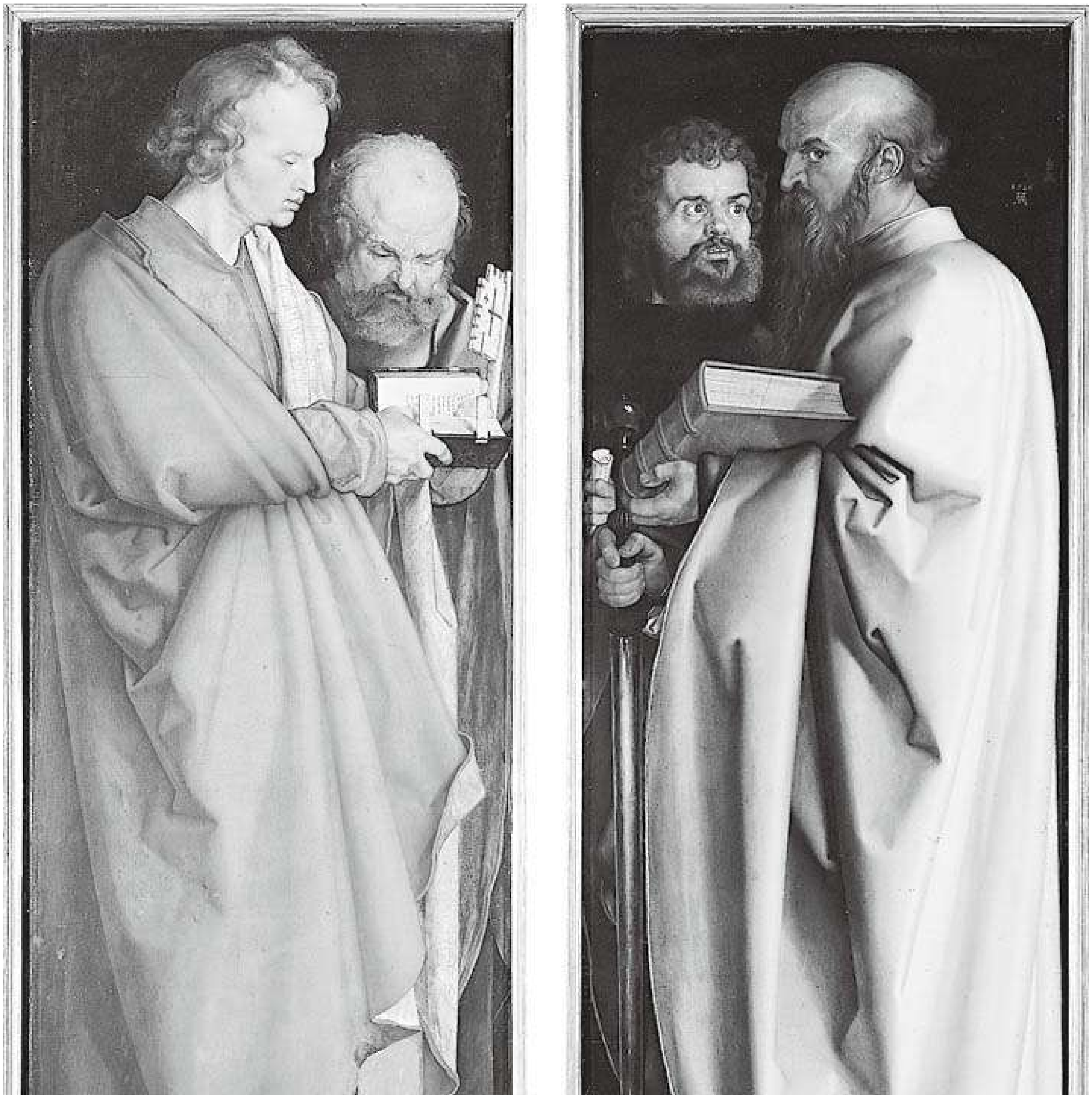
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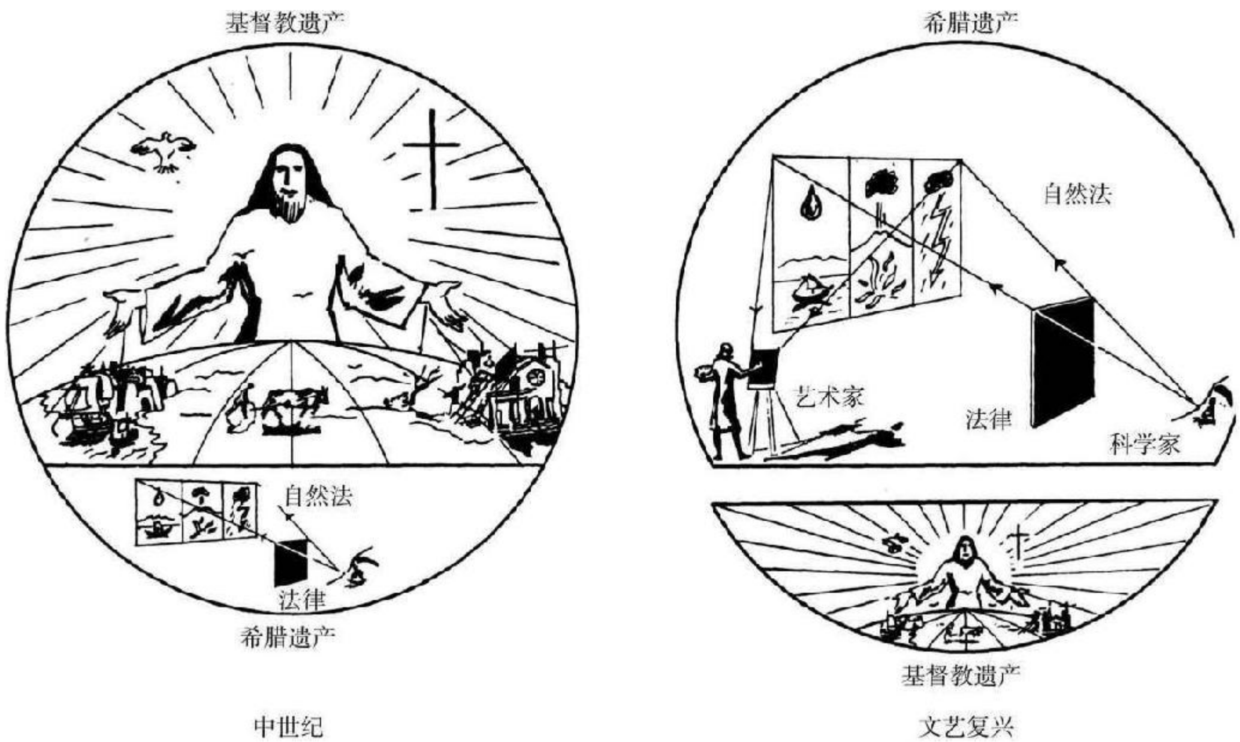
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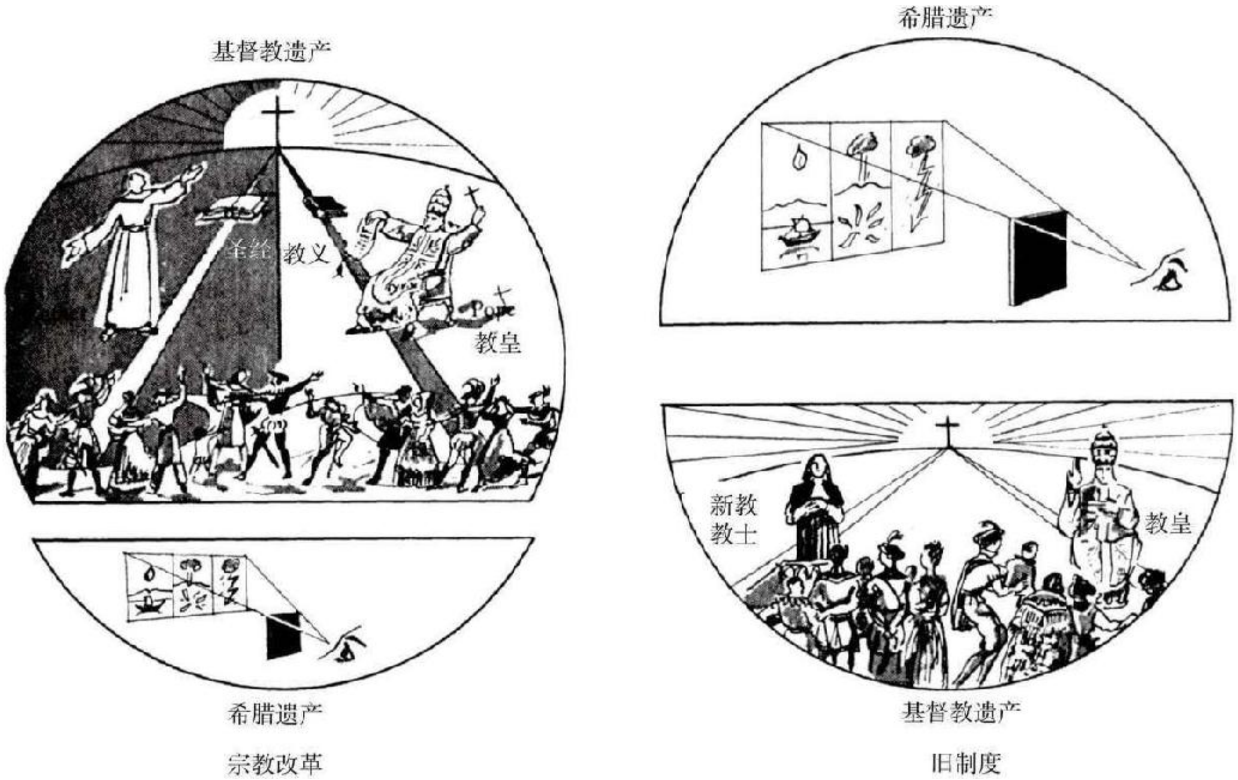
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基督教遗产
圣经
教义
教皇
希腊遗产
宗教改革
希腊遗产
新教
教士
教皇
基督教遗产
旧制度





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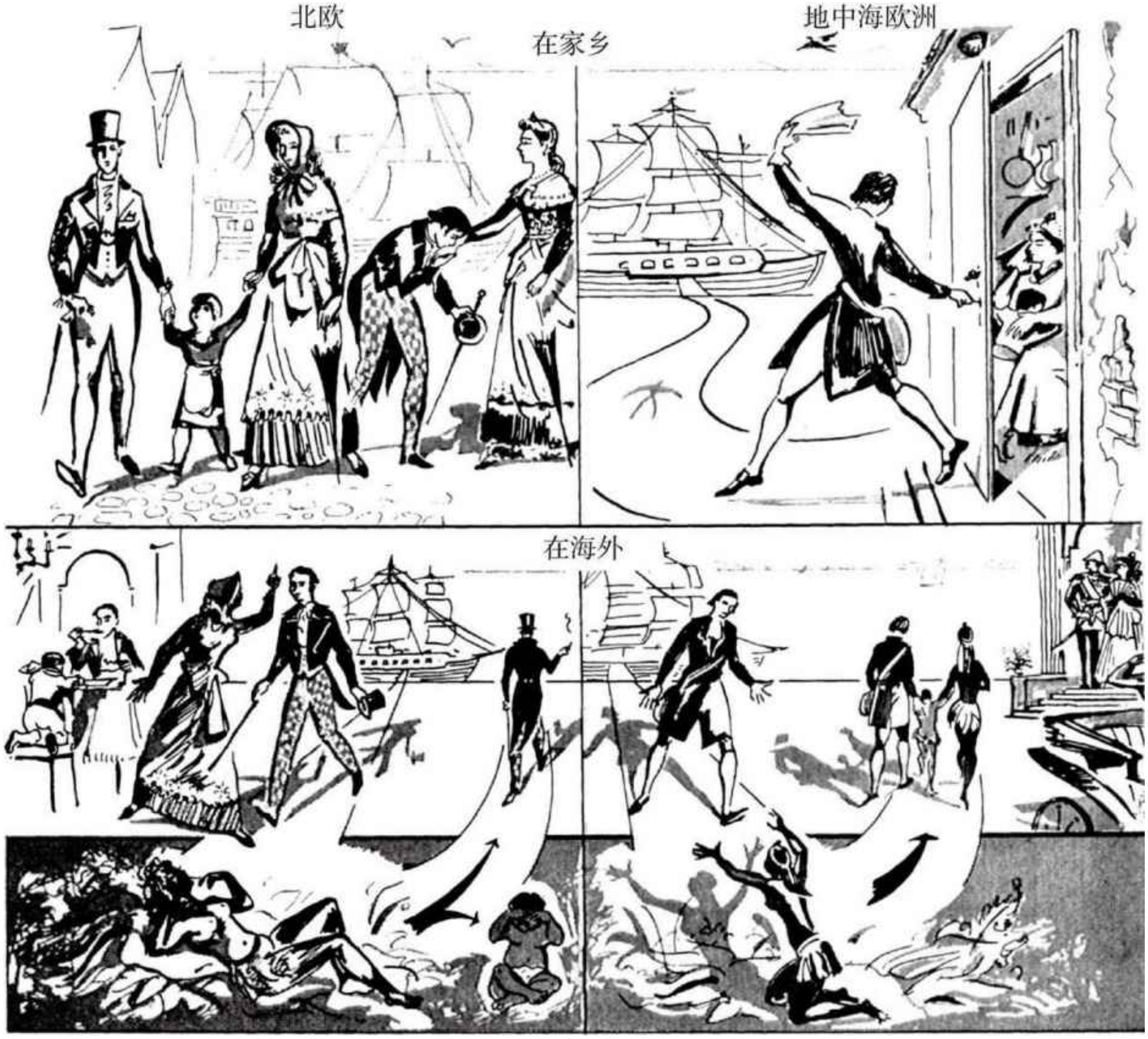
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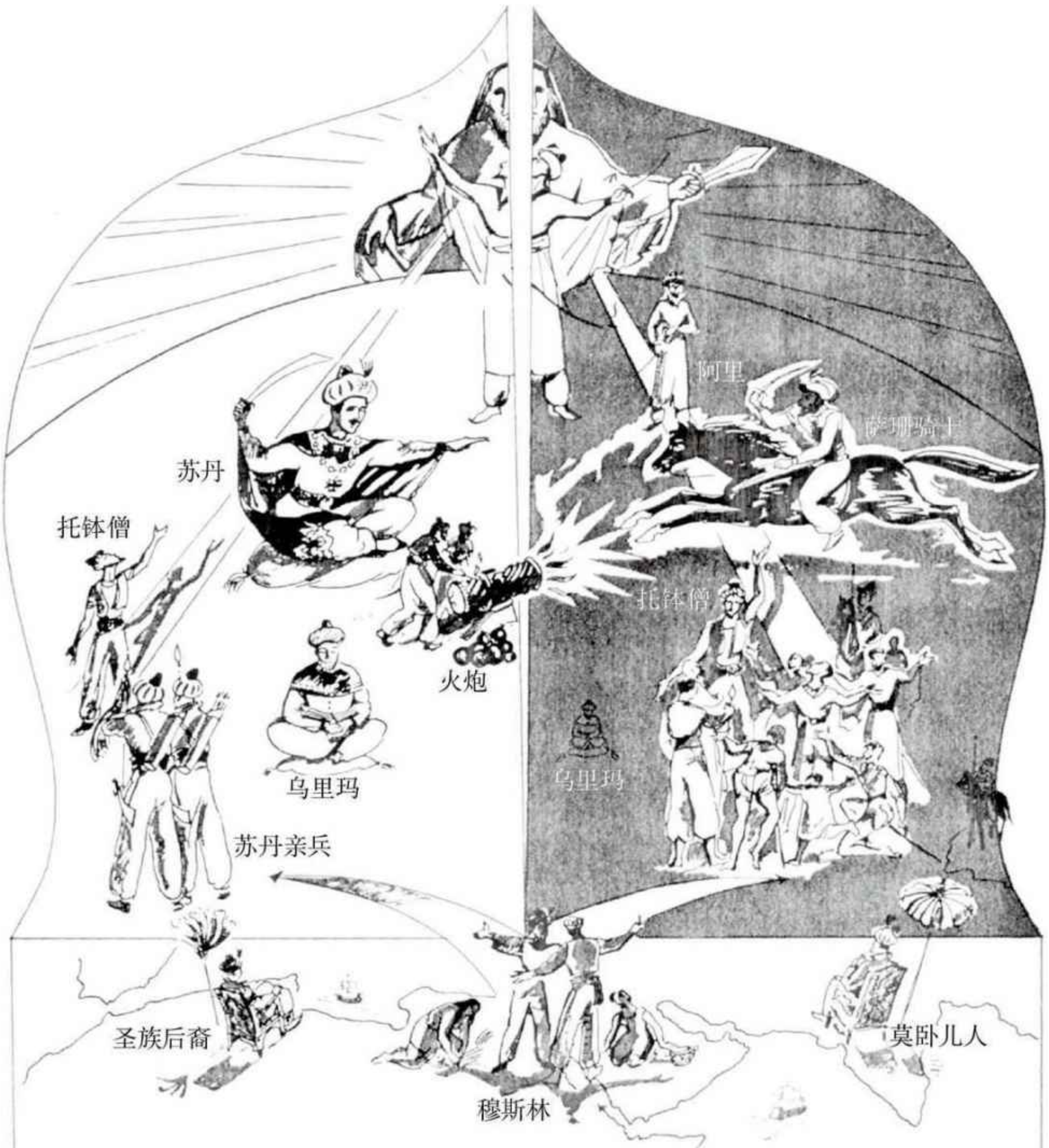
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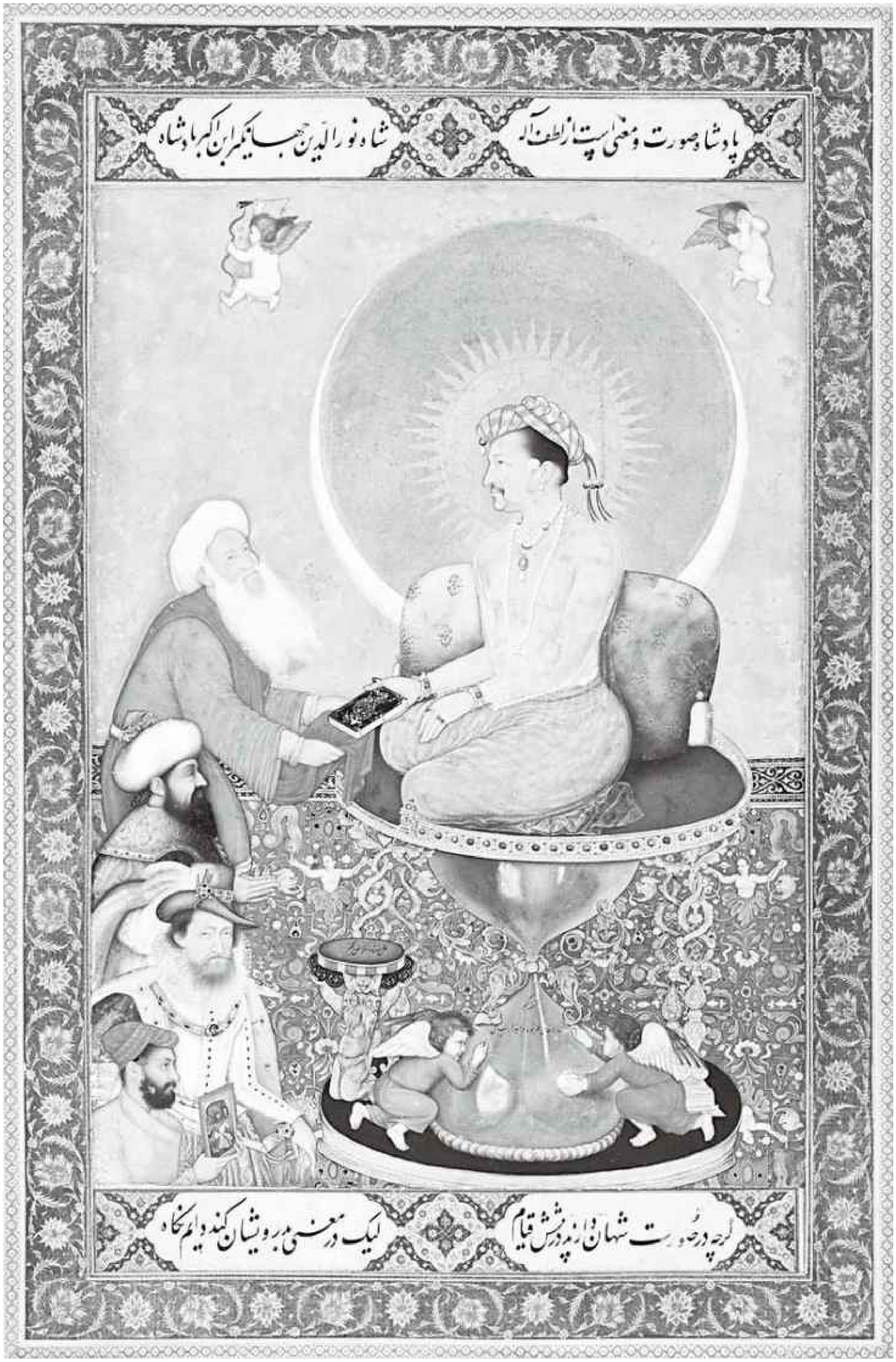
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پادشاه صورت و معنی است از لطف اله
شاه نور الدین جهانگیر ابن اکبر پادشاه
گرچه در صورت شهان دارند در پیشش قیام
لیک در معنی بدرویشان کند دایم نگاه

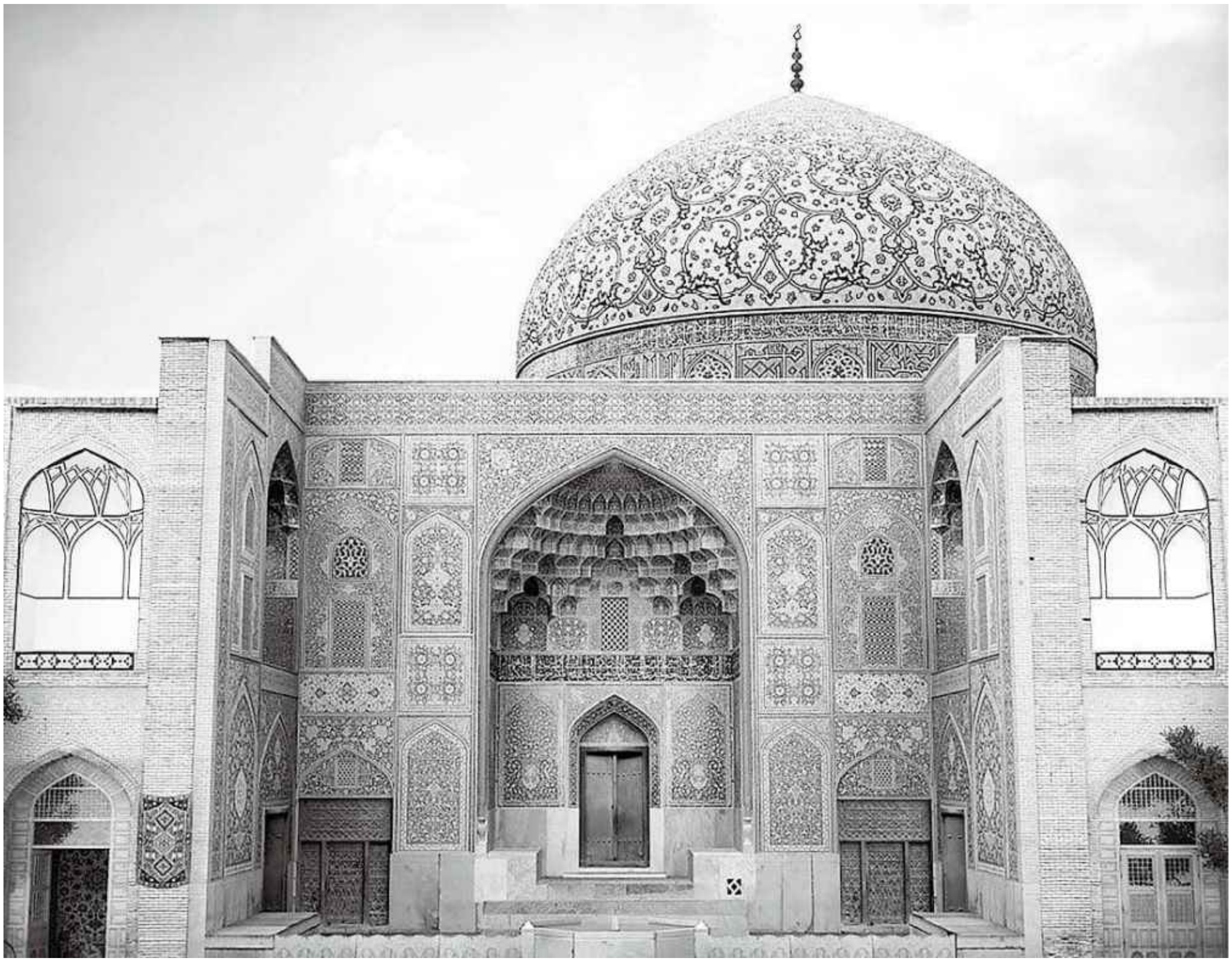
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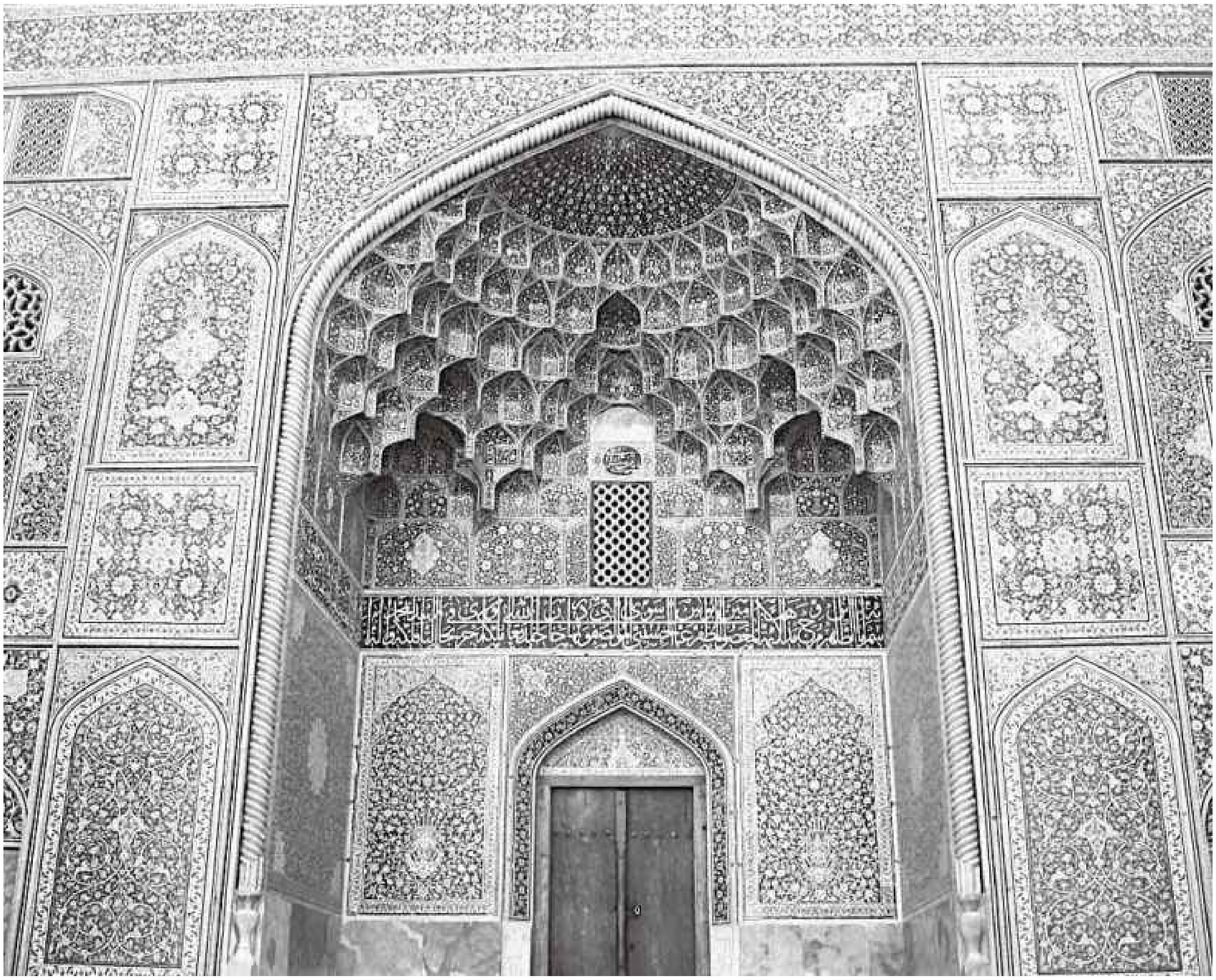
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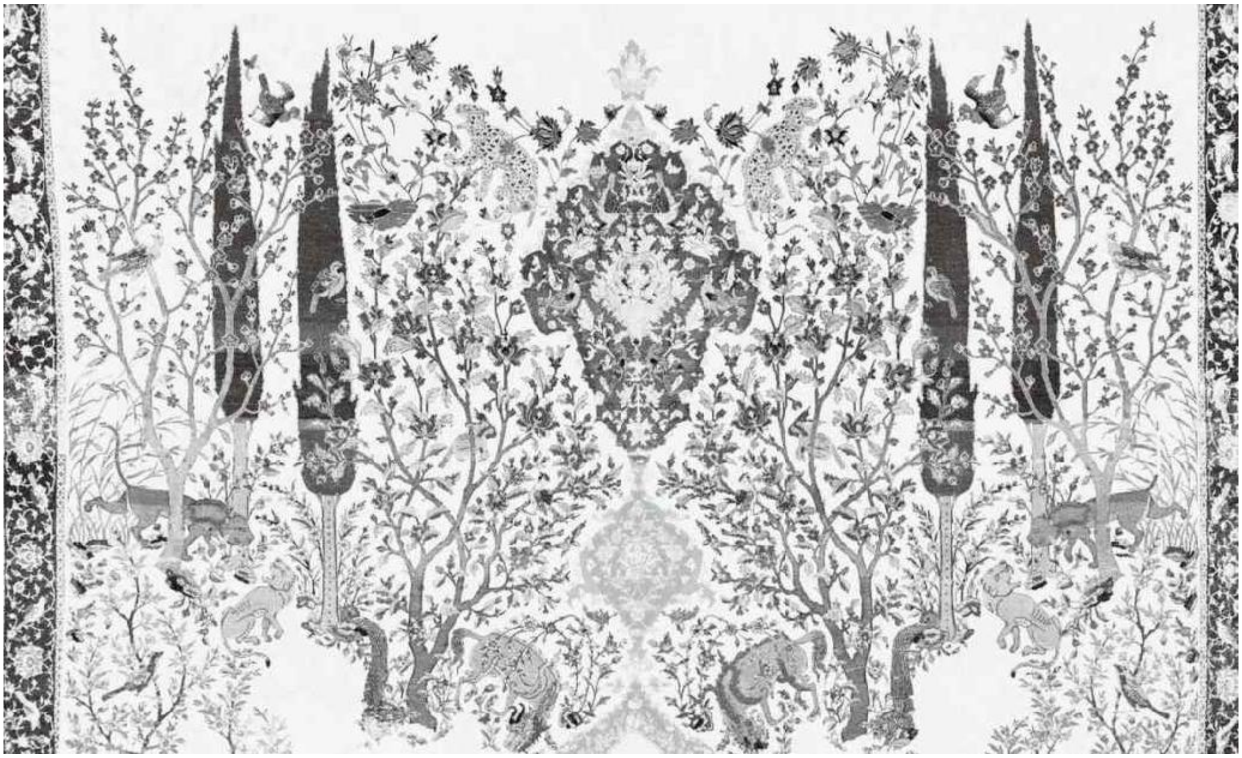
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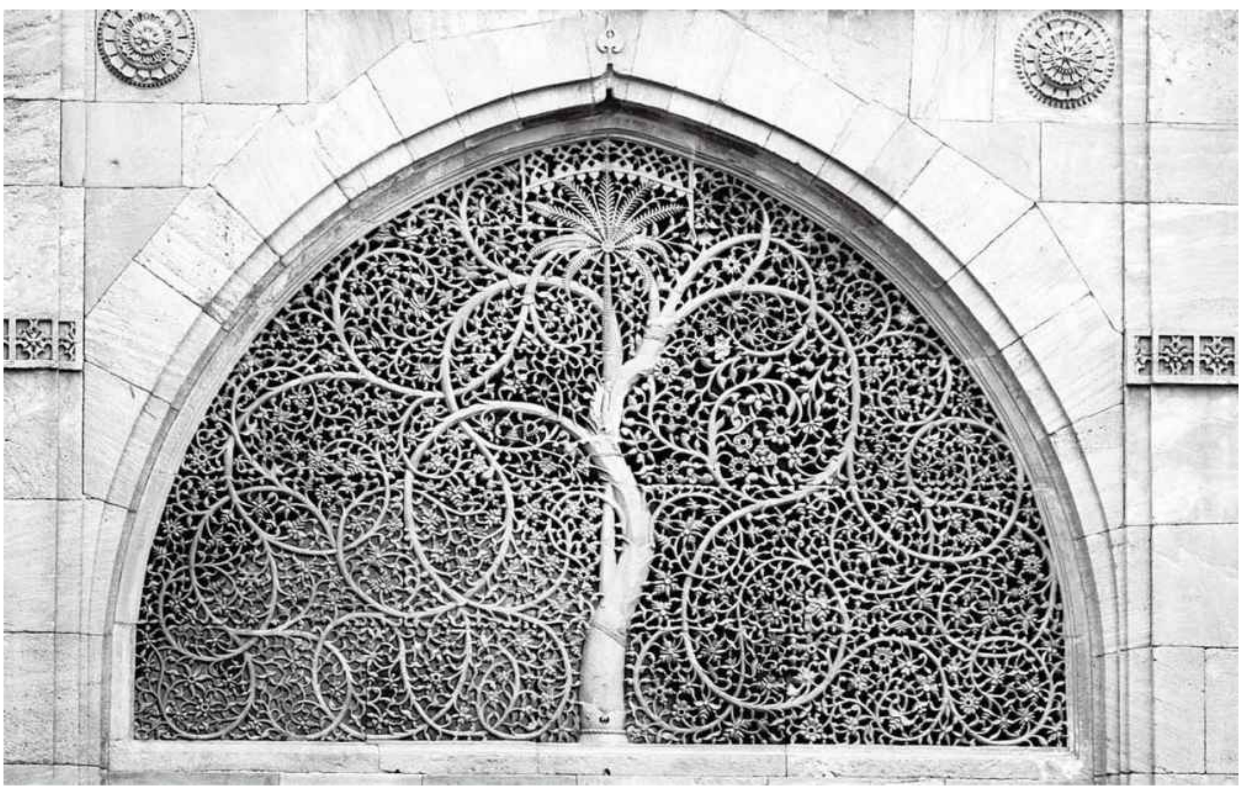
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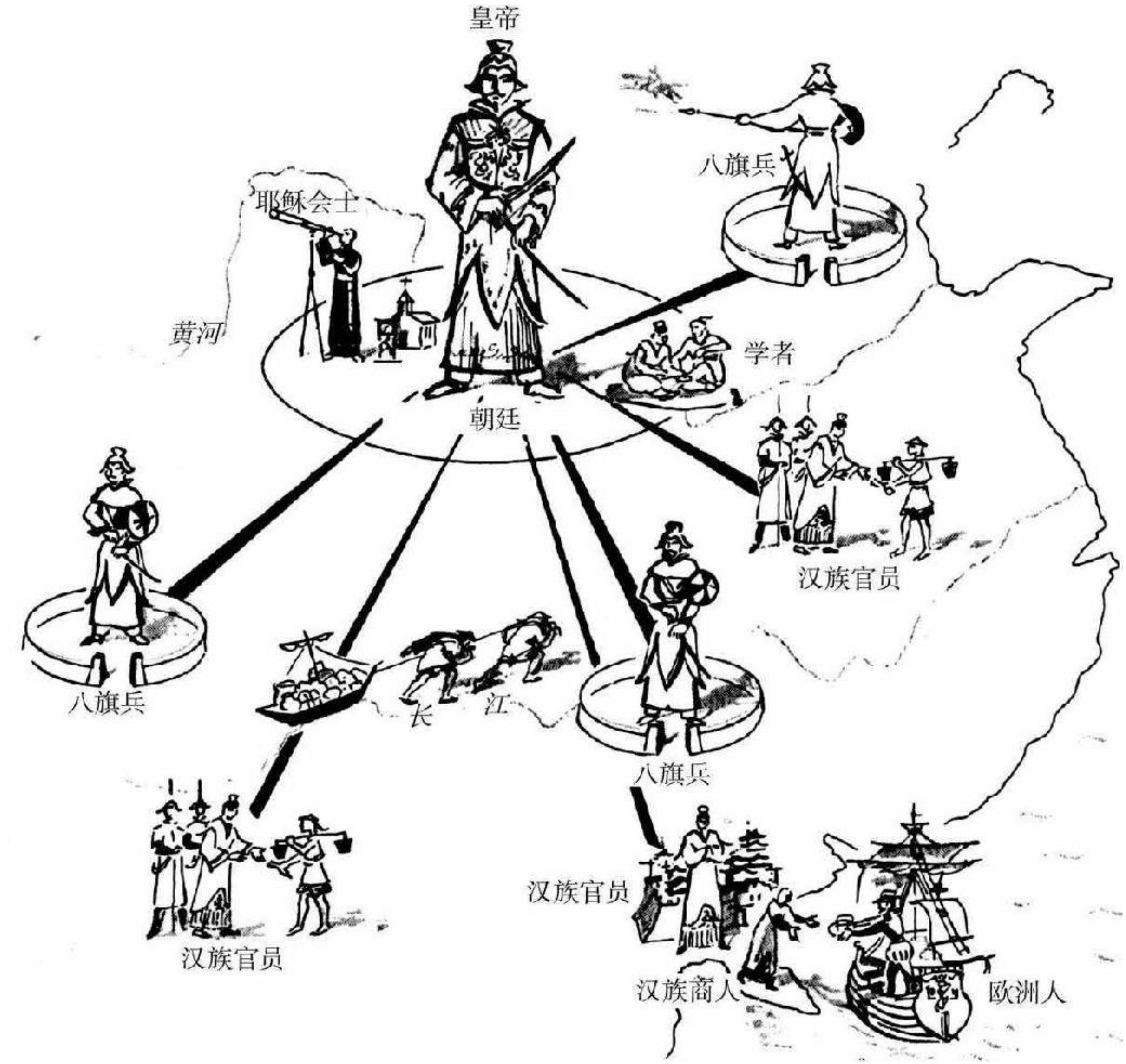
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1644 1683

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皇帝
八旗兵
耶稣会士
黄河
学者
朝廷
汉族官员
八旗兵
长
江
八旗兵
汉族官员
汉族官员
汉族商人
欧洲人

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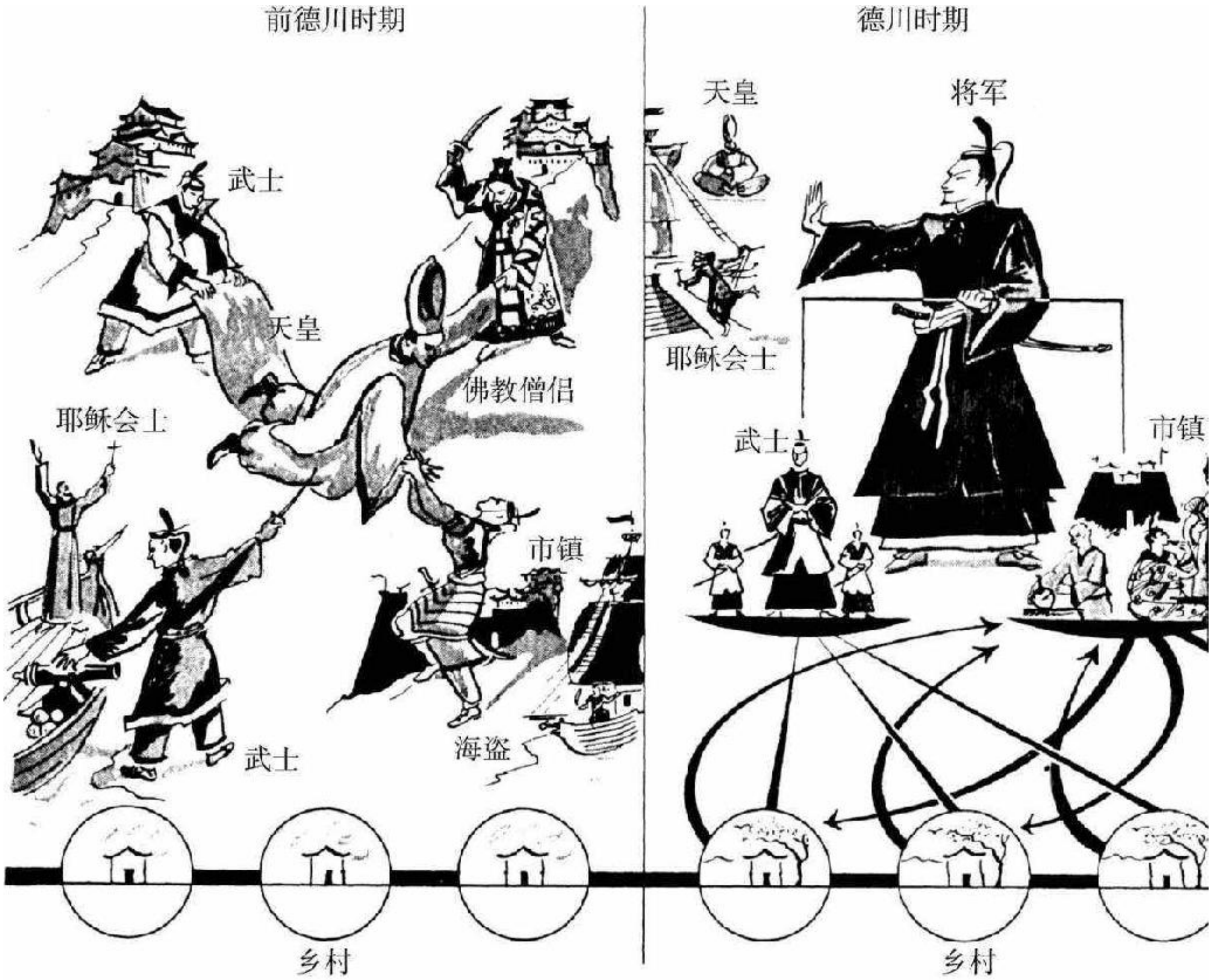
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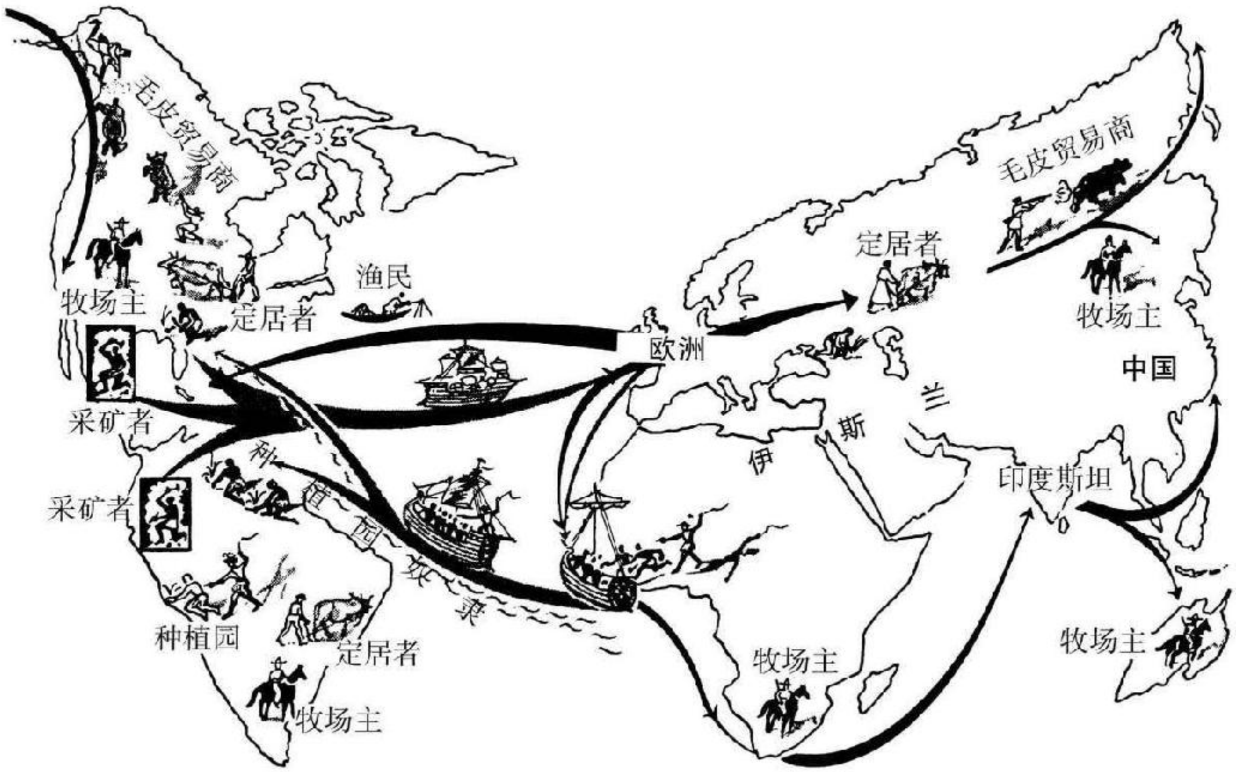
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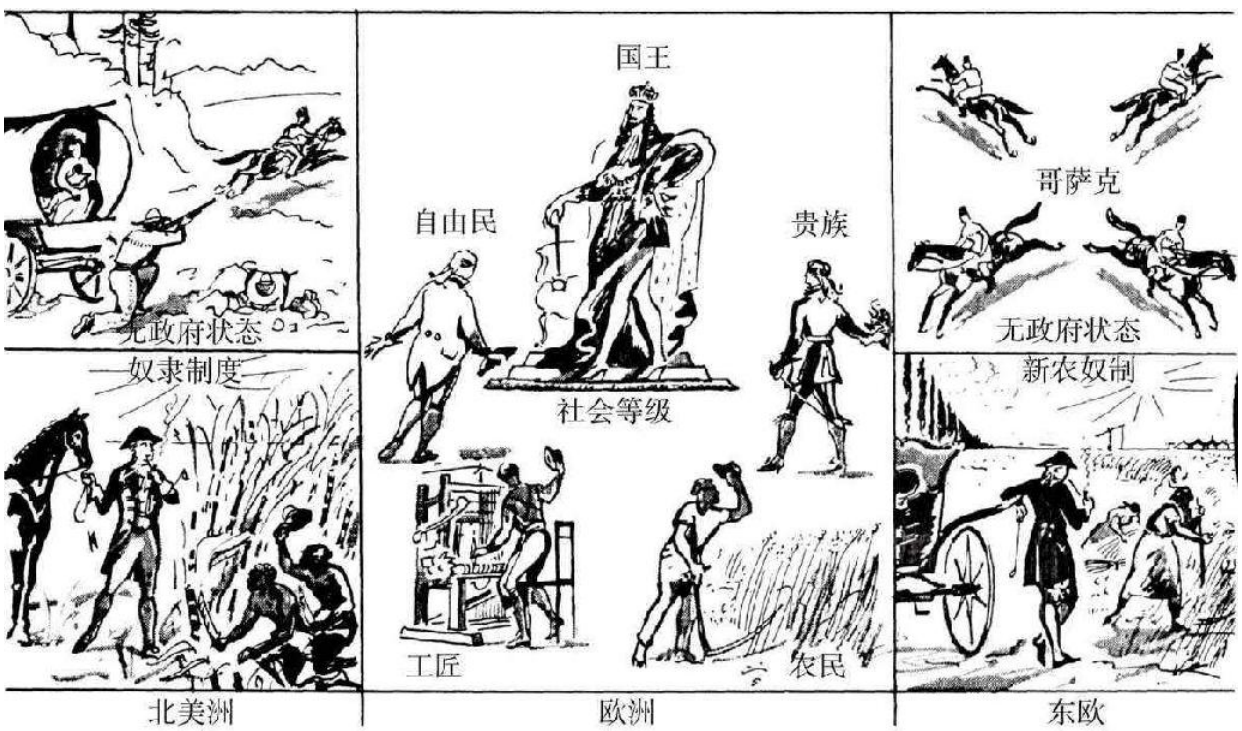
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国王
自由民
贵族
社会等级
工匠
农民
欧洲
无政府状态
奴隶制度
北美洲
哥萨克
无政府状态
新农奴制
东欧

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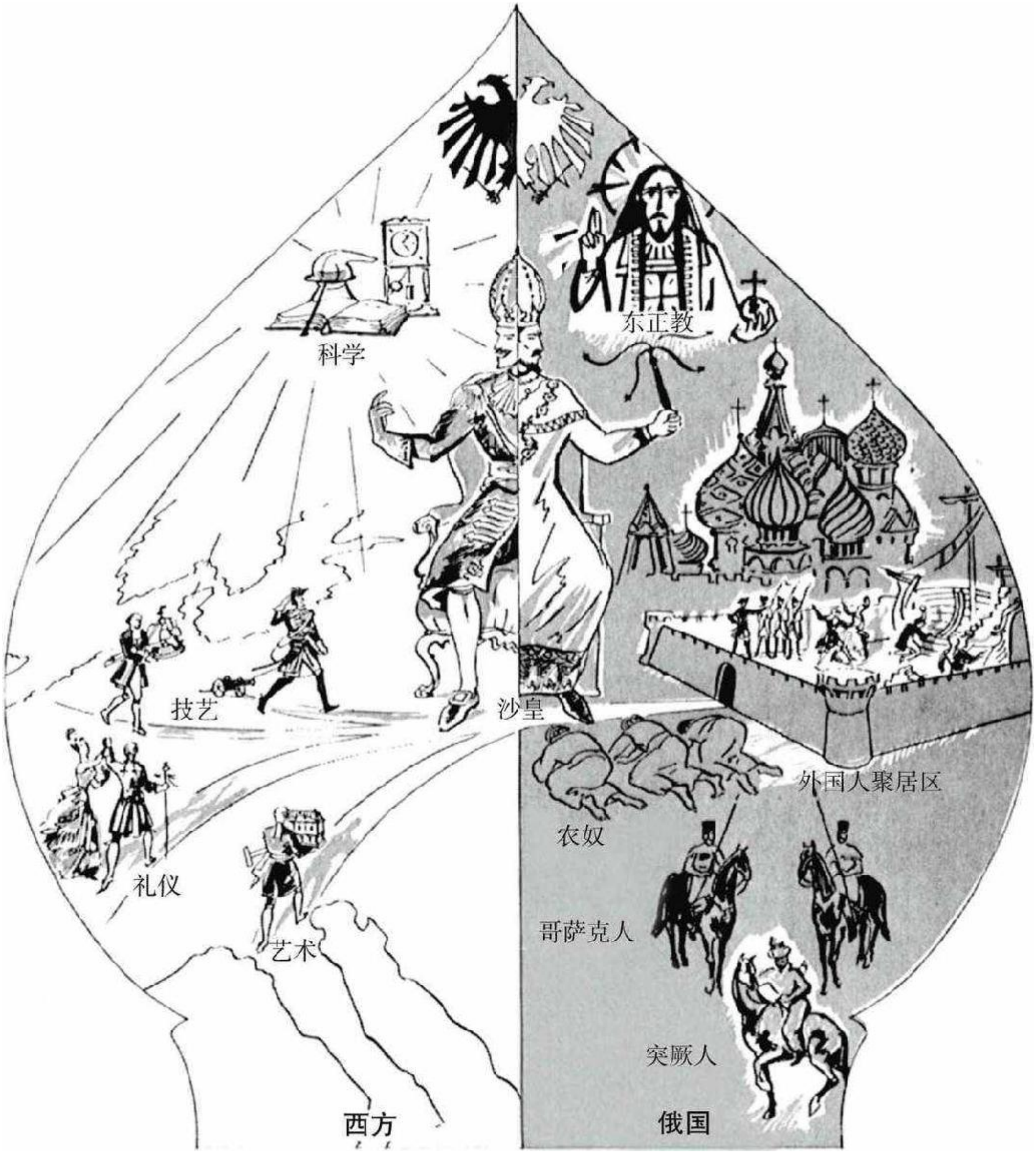
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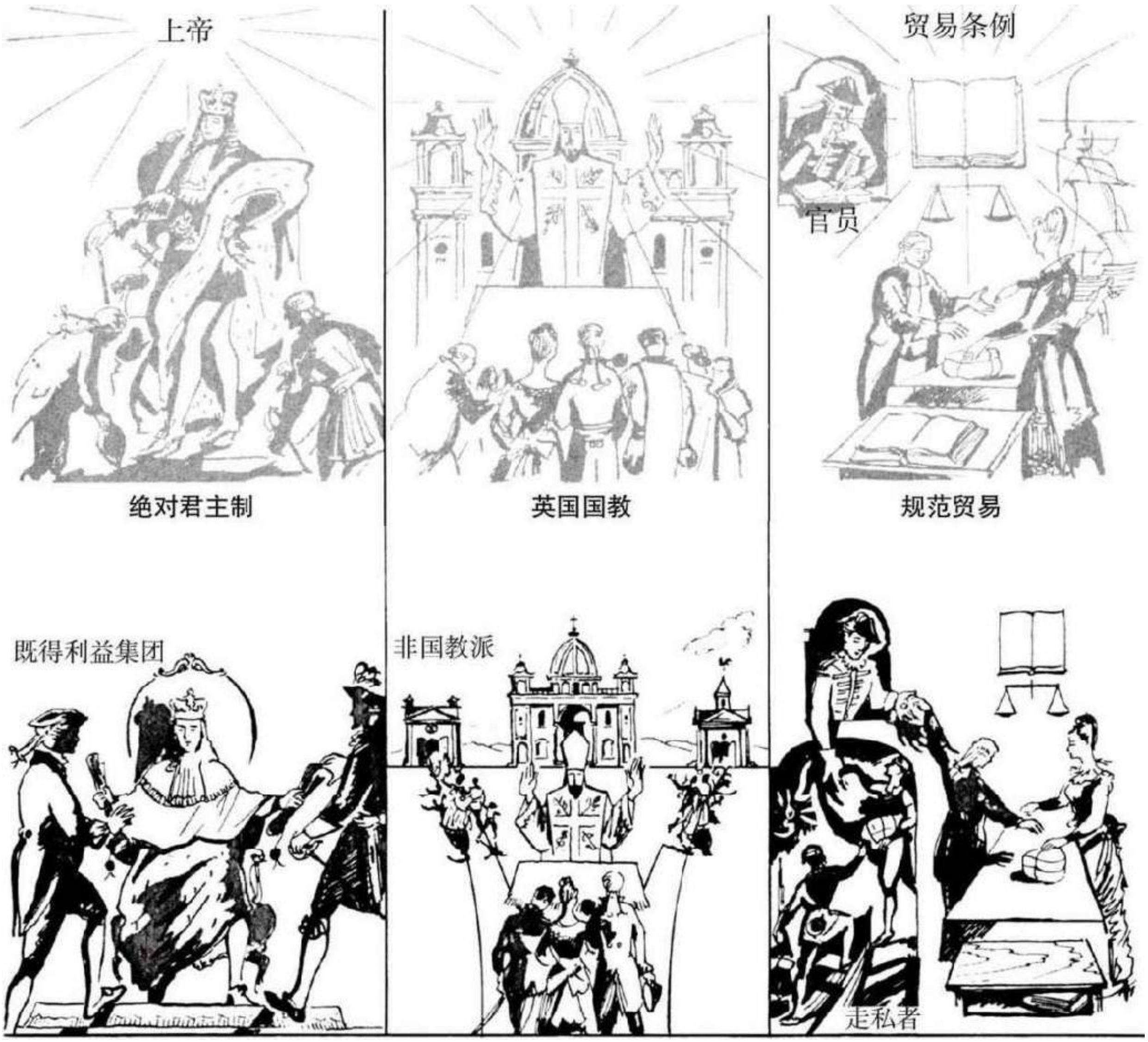
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贸易条例
官员
绝对君主制
英国国教
规范贸易
既得利益集团
非国教派
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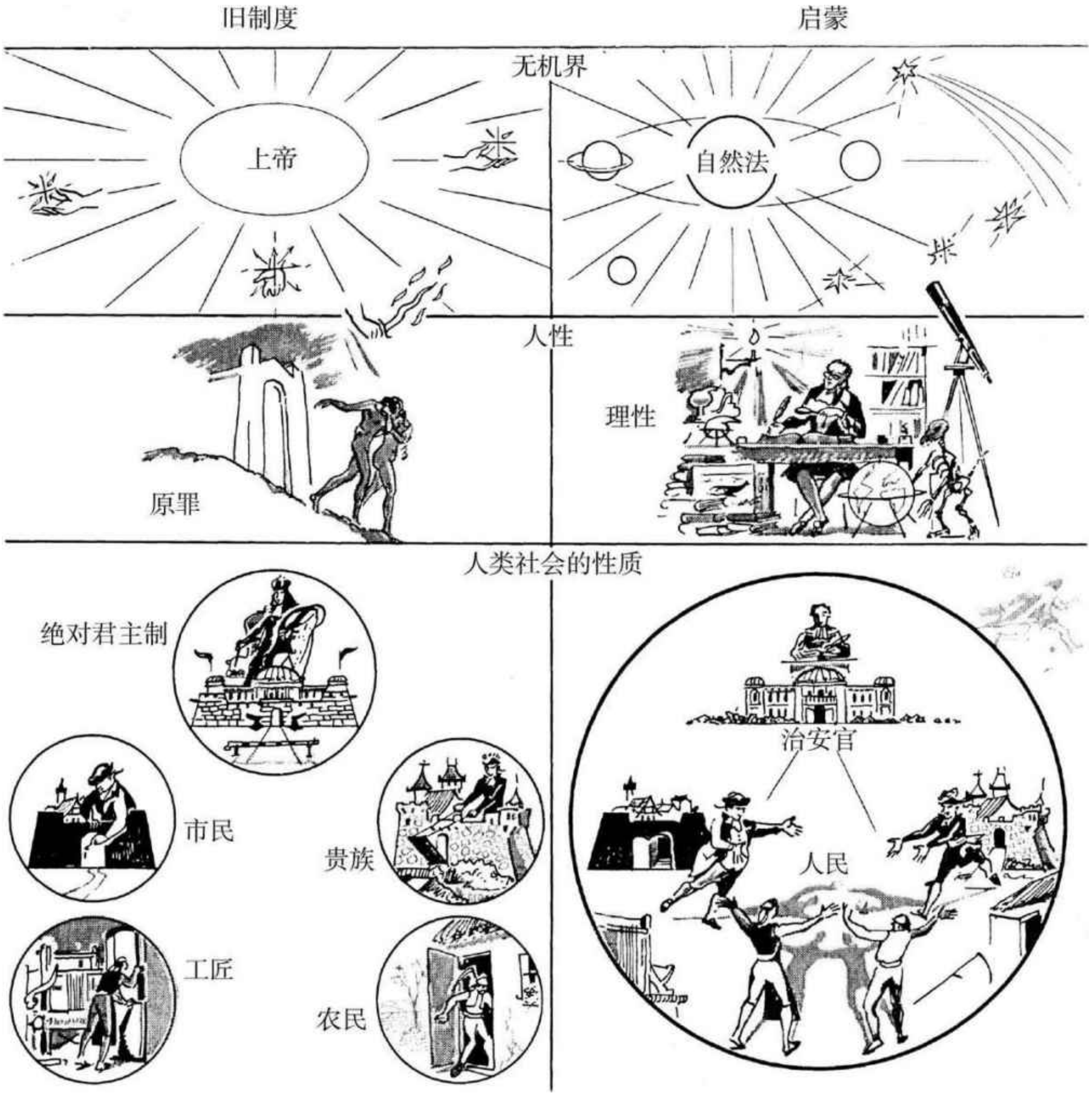
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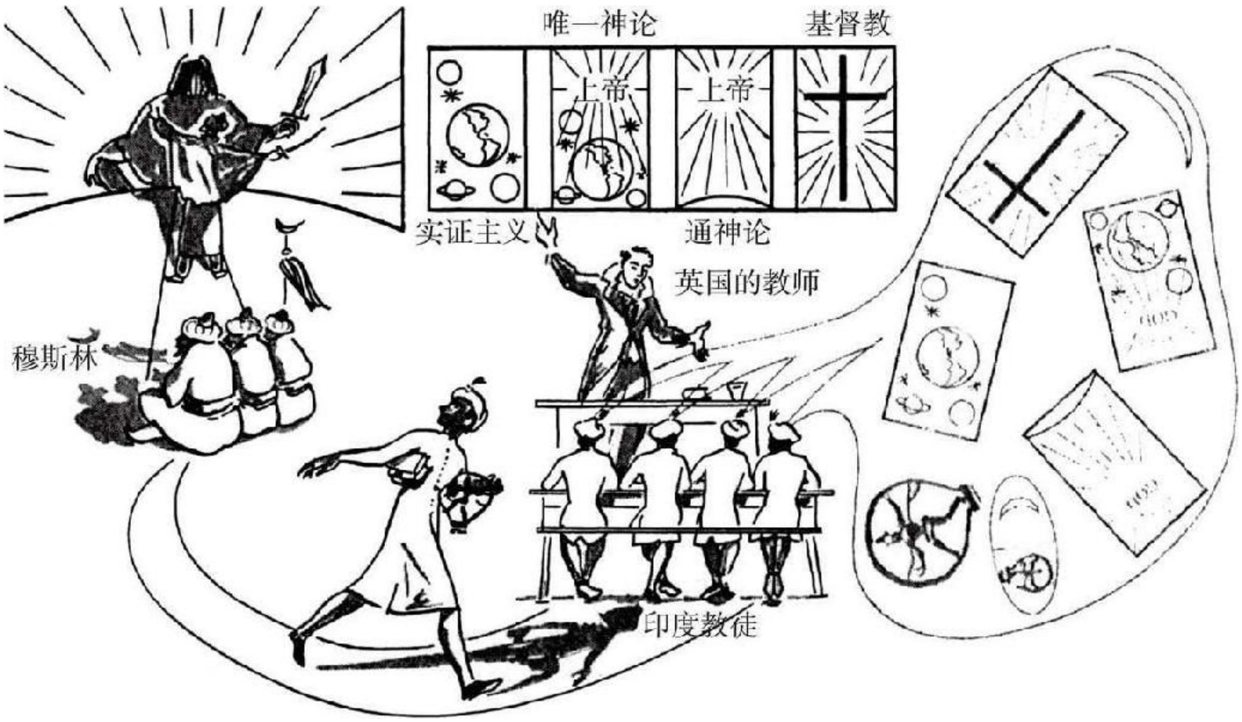
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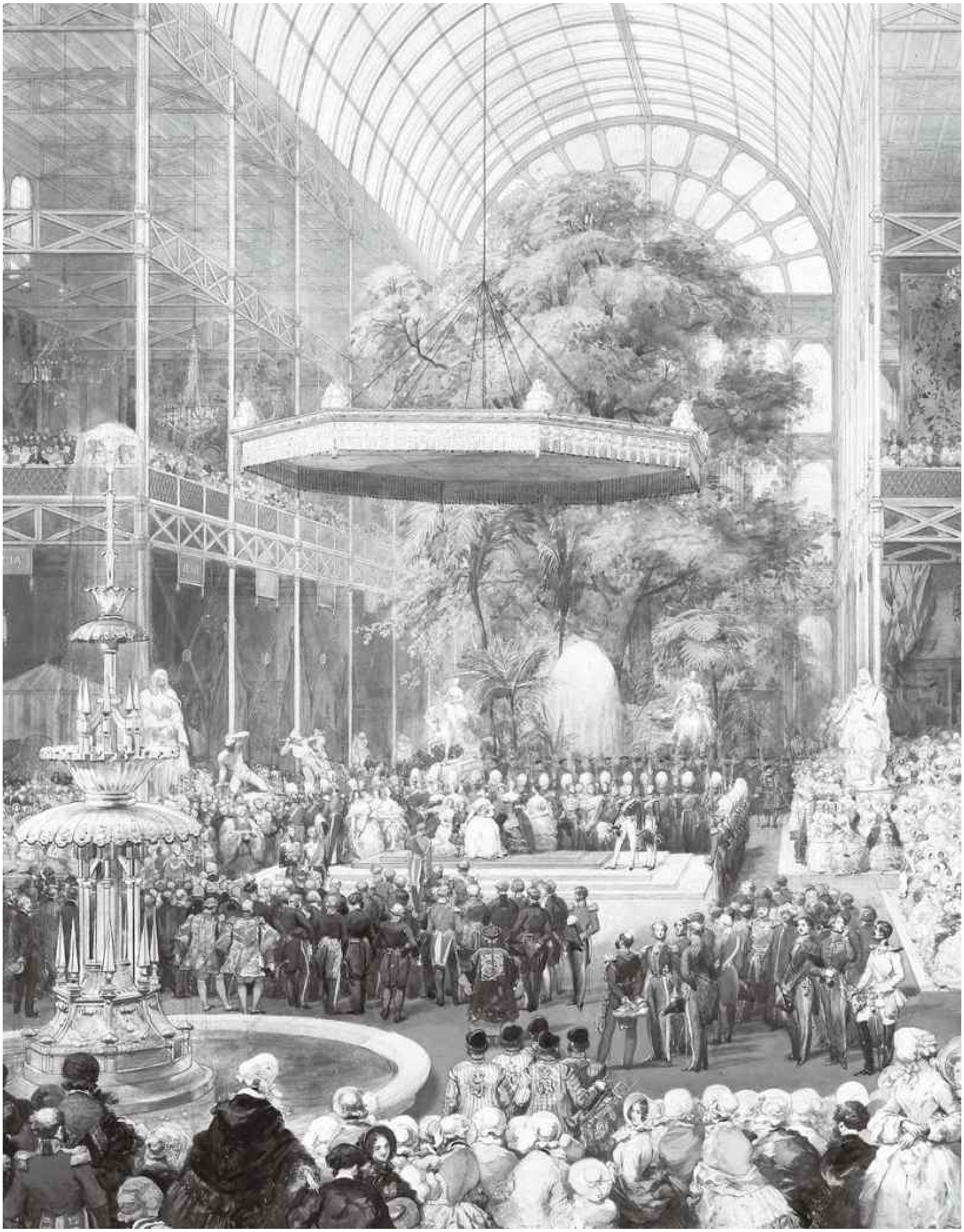
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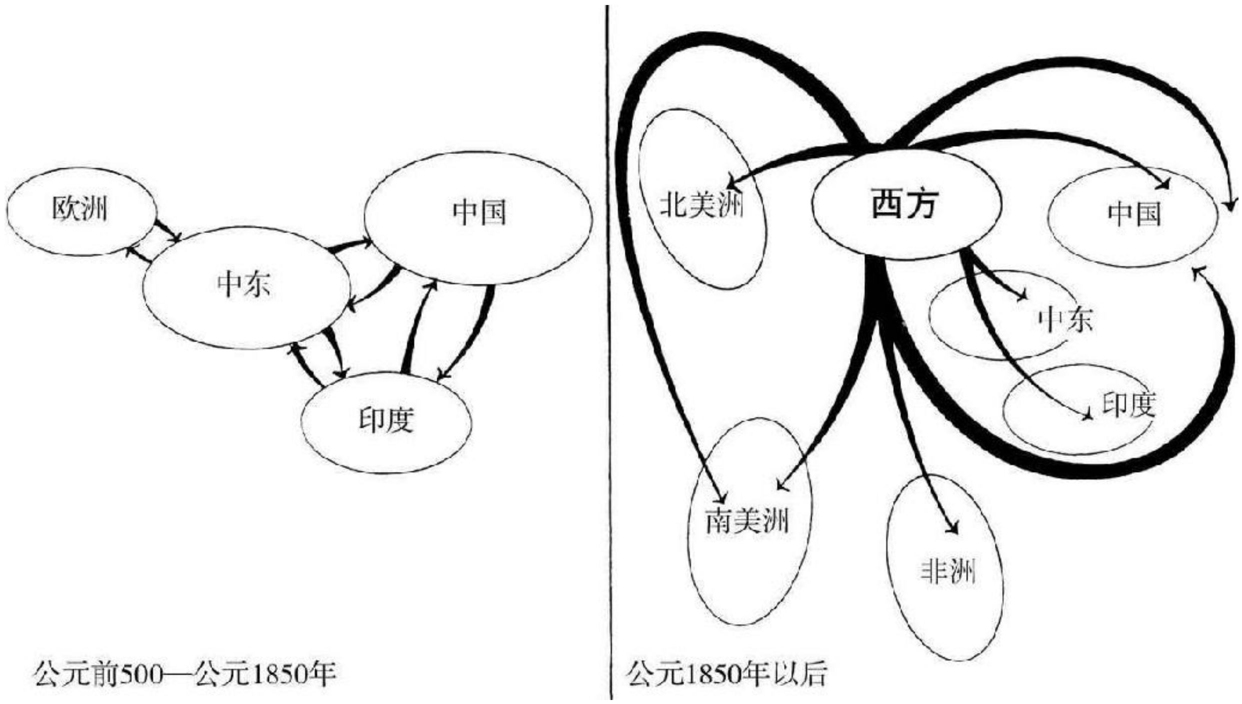
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欧洲
中国
中东
印度
公元前500—公元1850年
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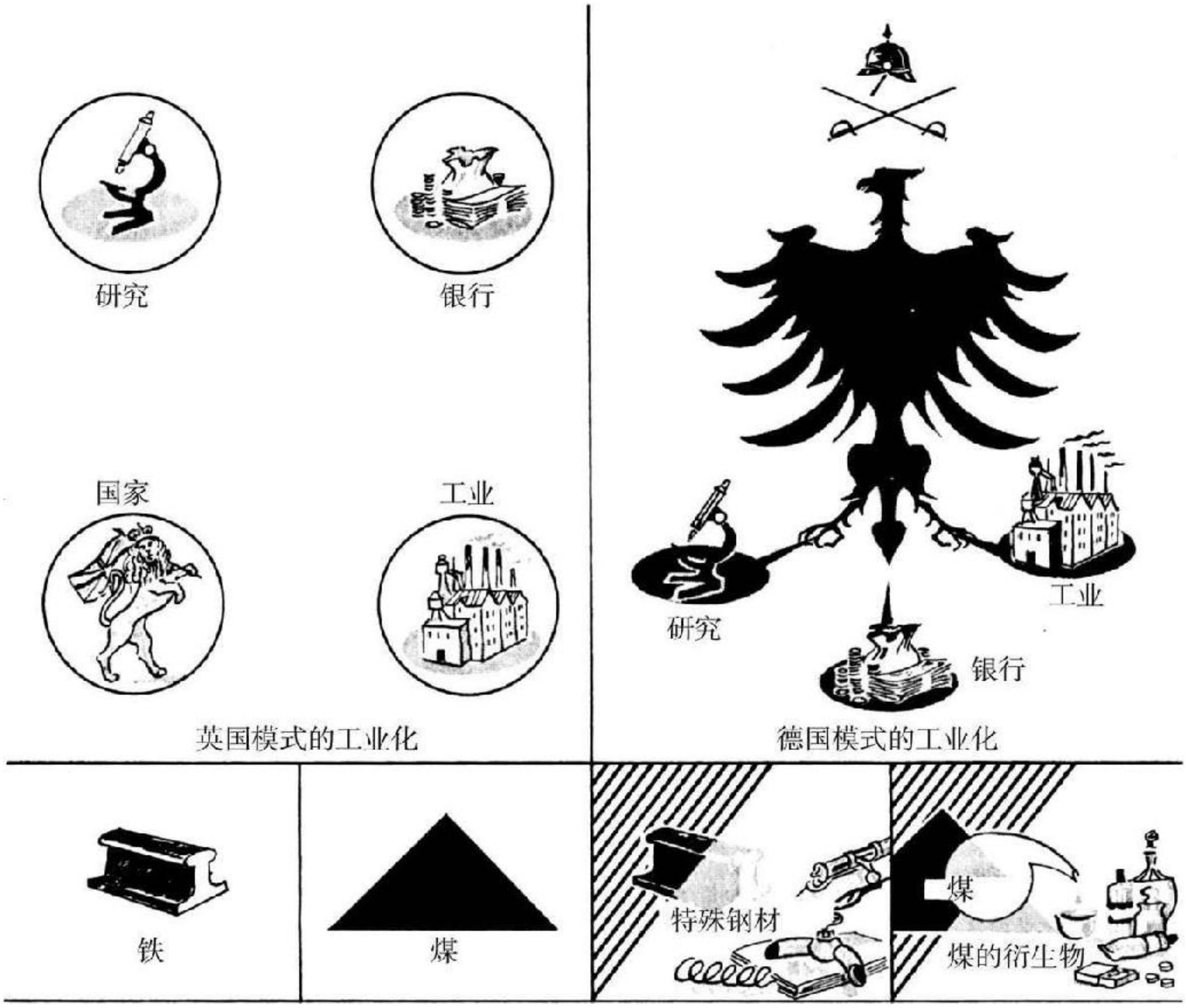
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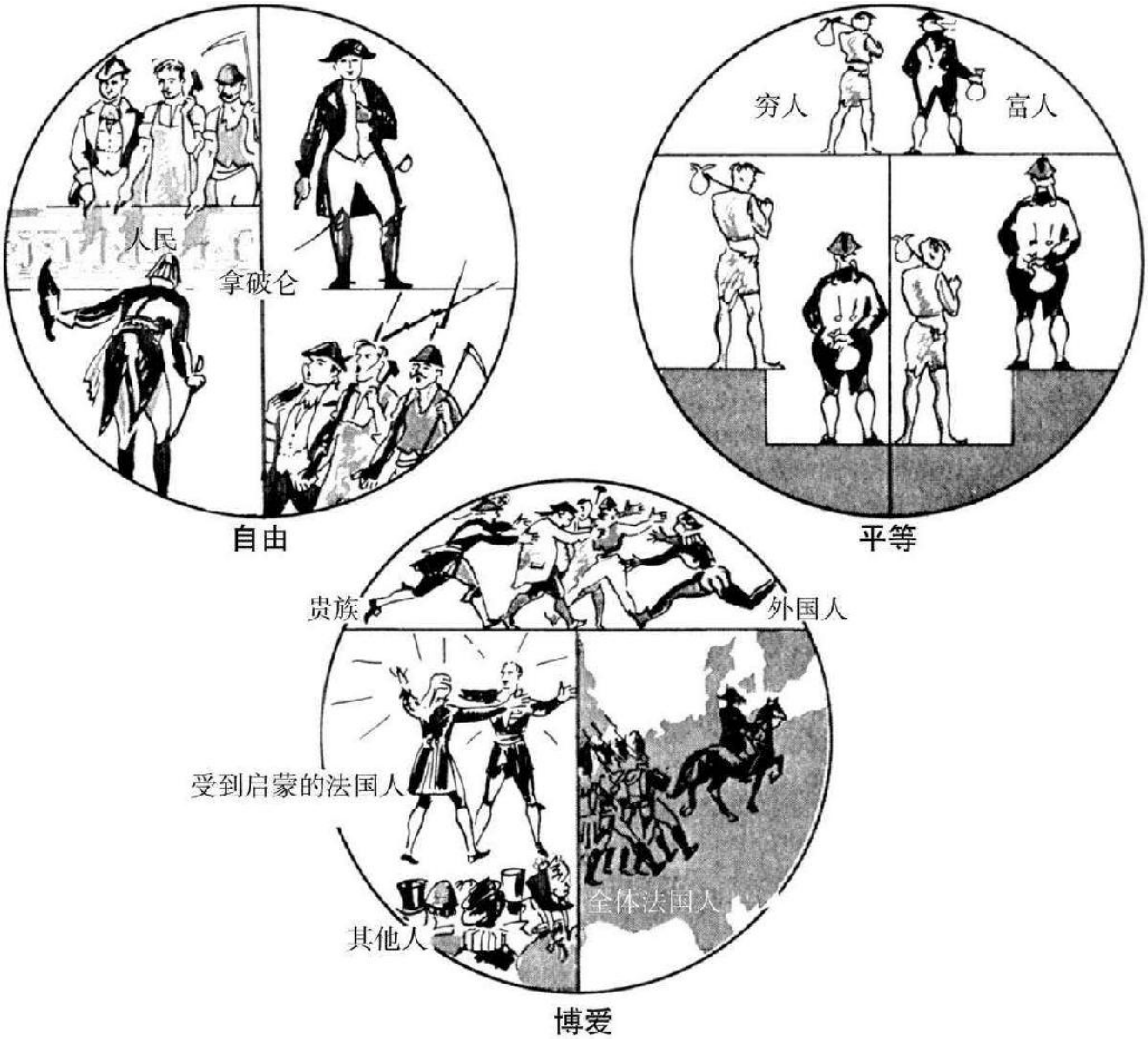
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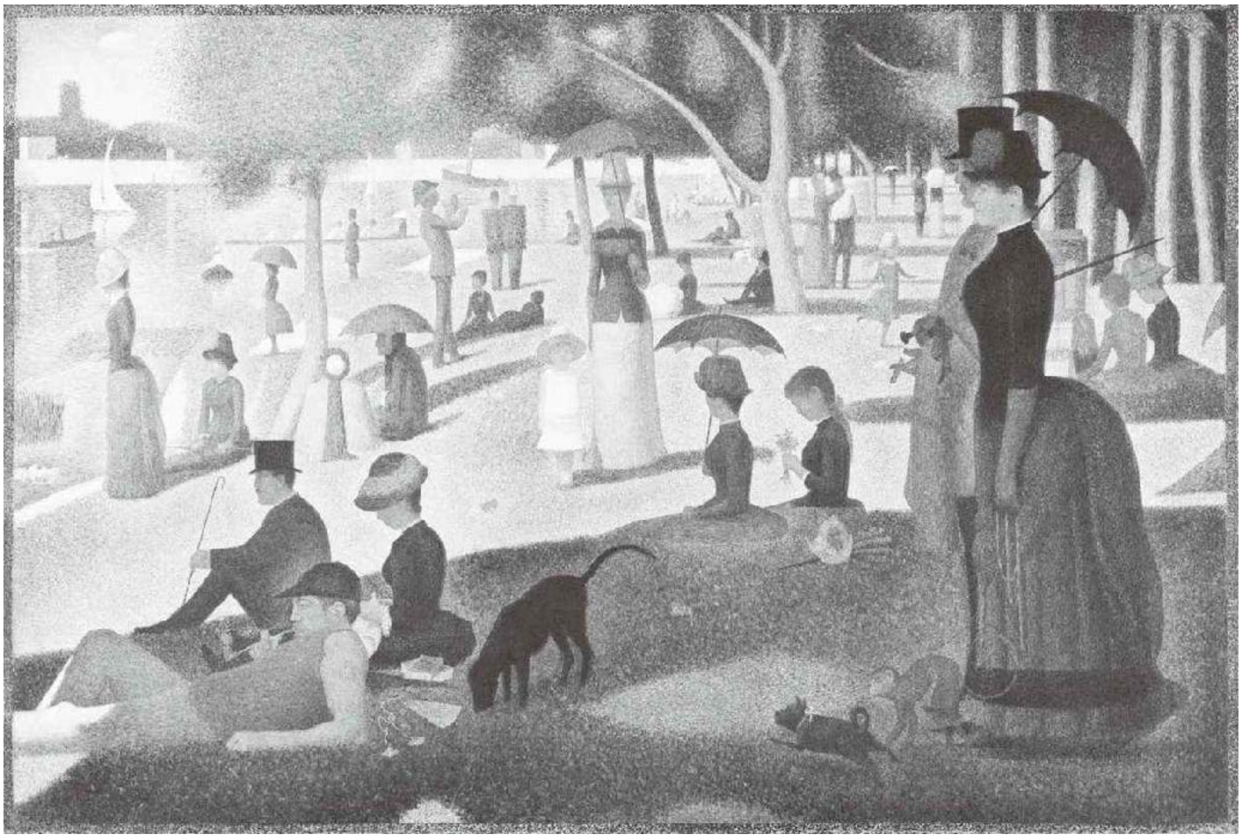
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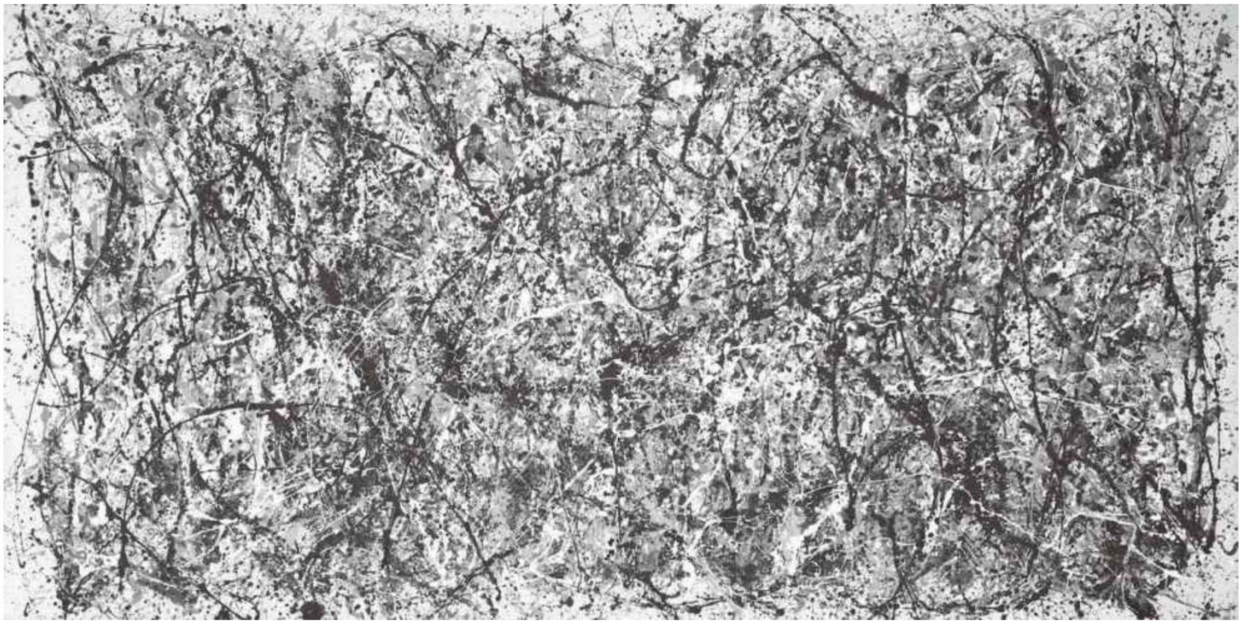
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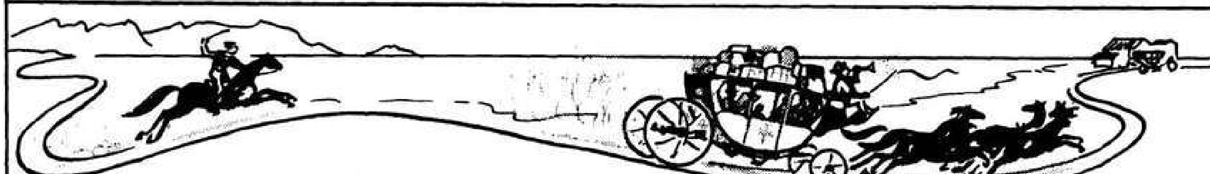
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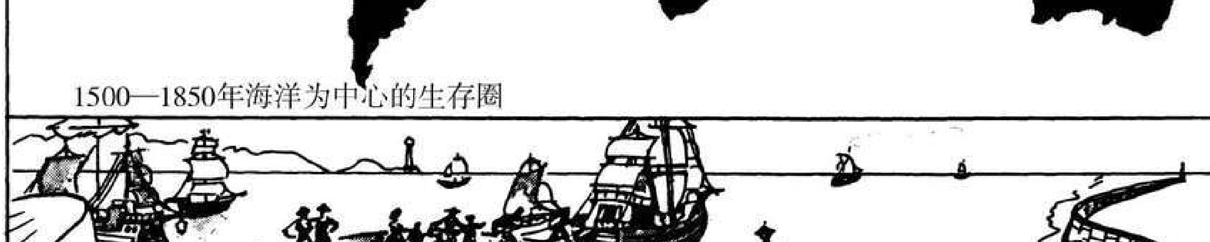
公元1500年以前陆地为中心的生存圈



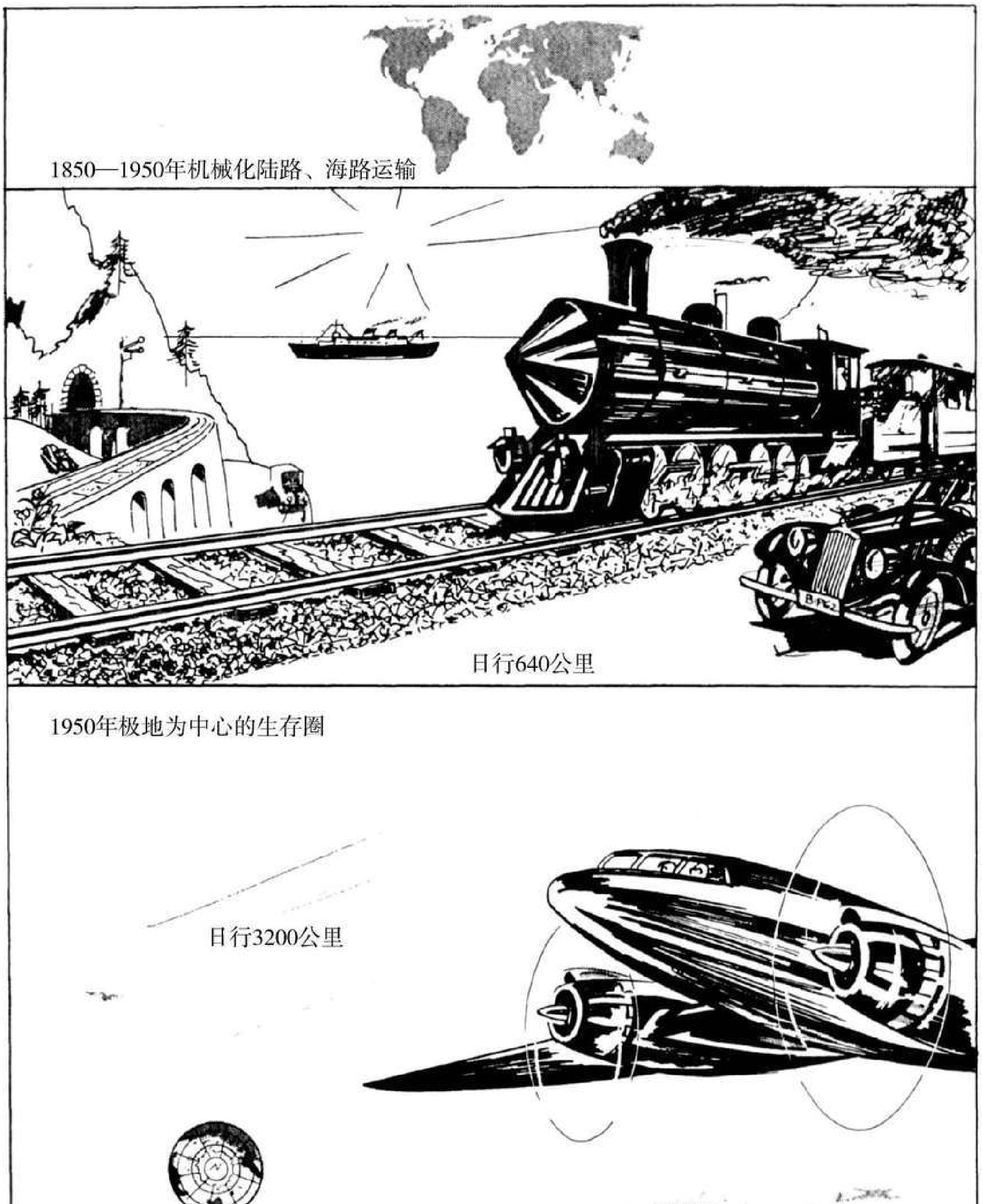
日行160公里



1500—1850年海洋为中心的生存圈



日行160公里


1850—1950年机械化陆路、海路运输
日行640公里
1950年极地为中心的生存圈
日行3200公里

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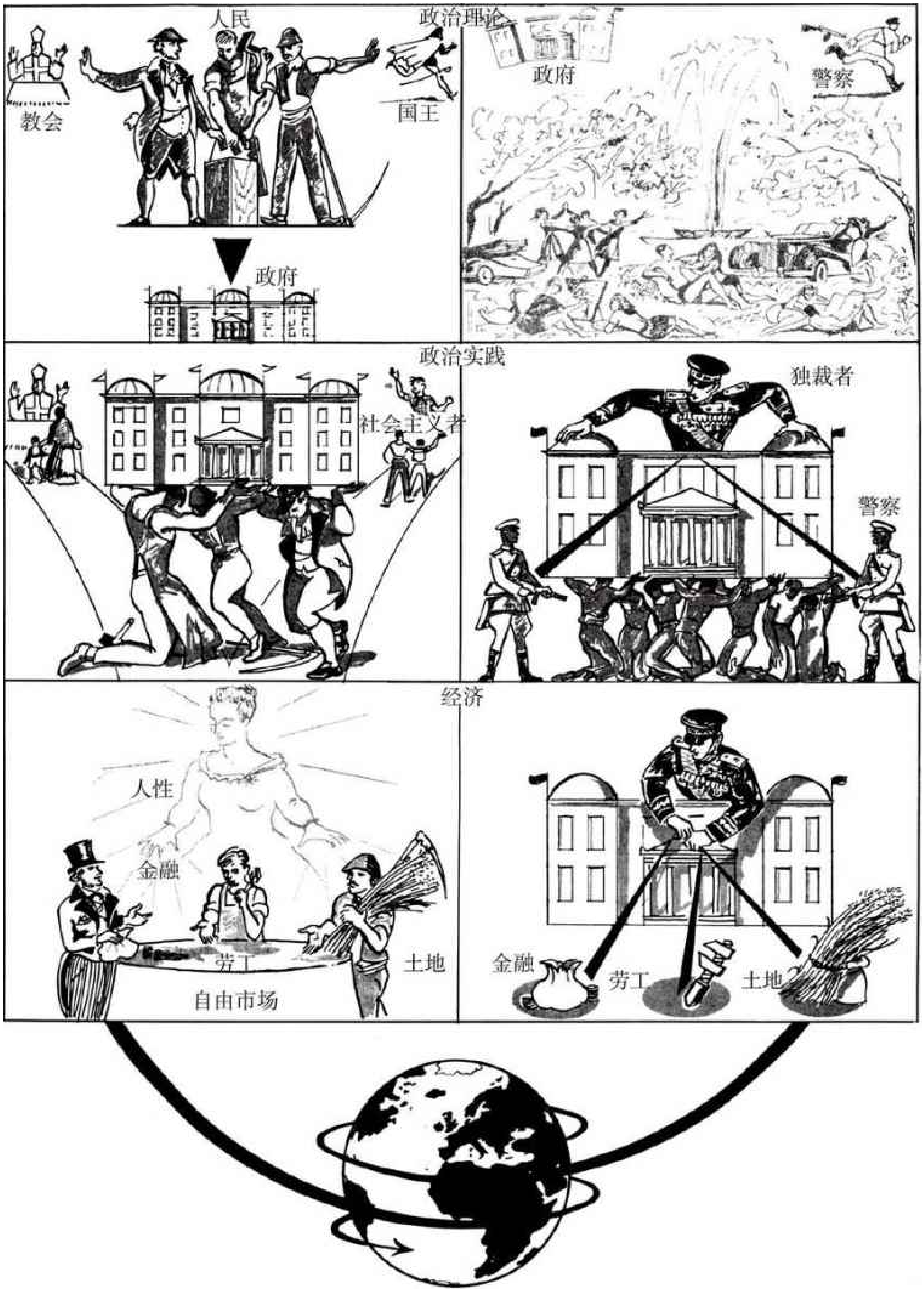
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政治理论
人民
教会
国王
政府
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政治实践
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警察
经济
人性
金融
劳工
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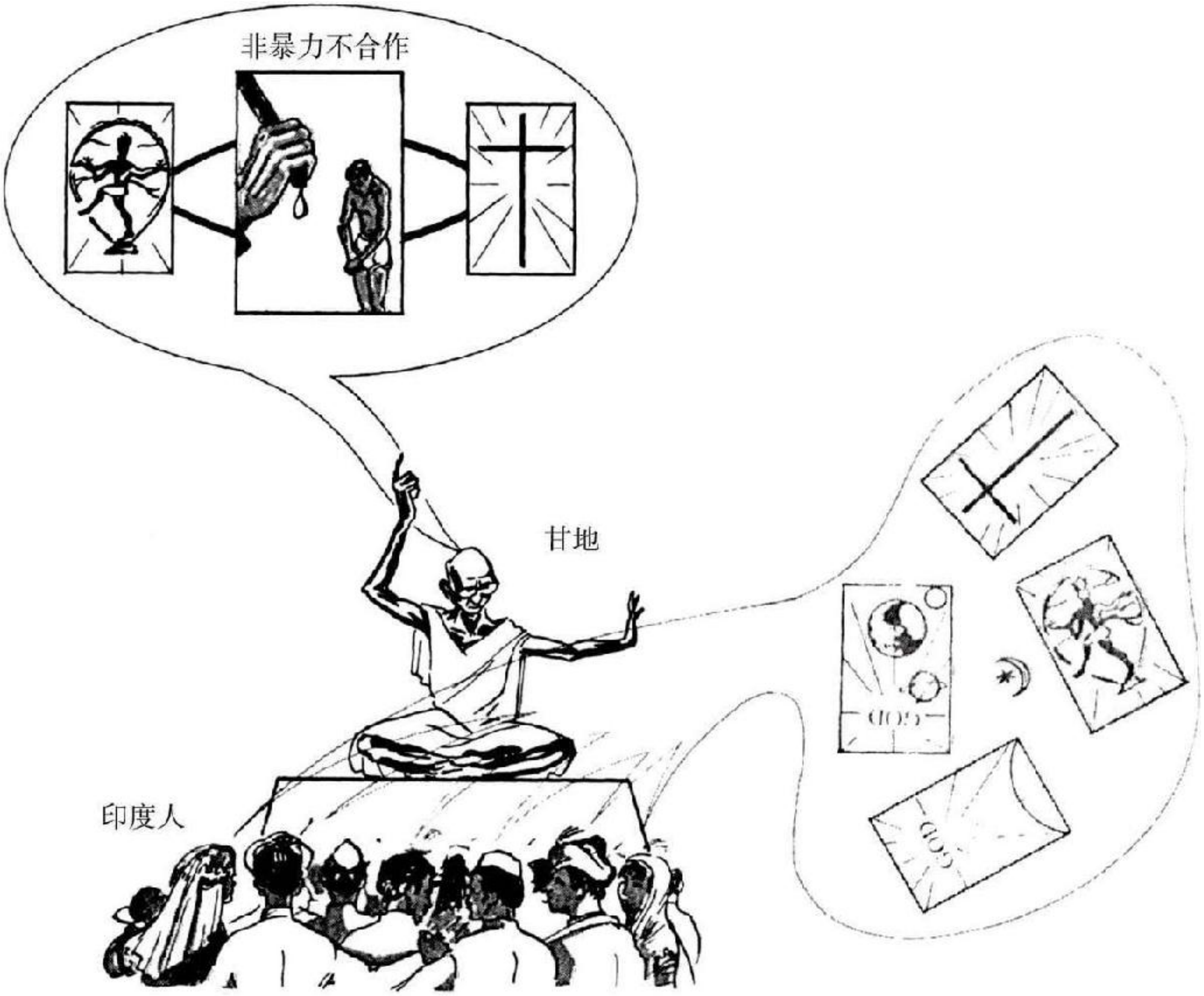
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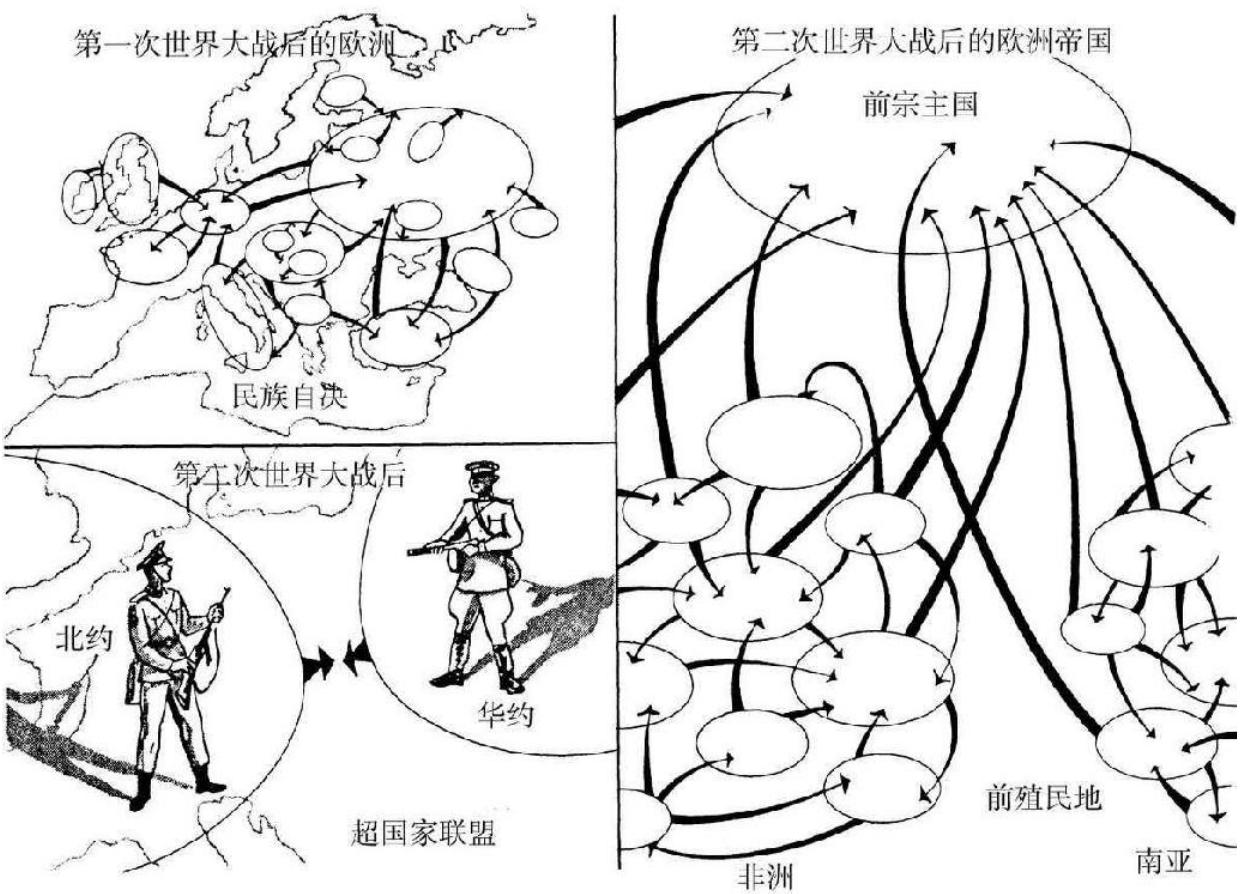
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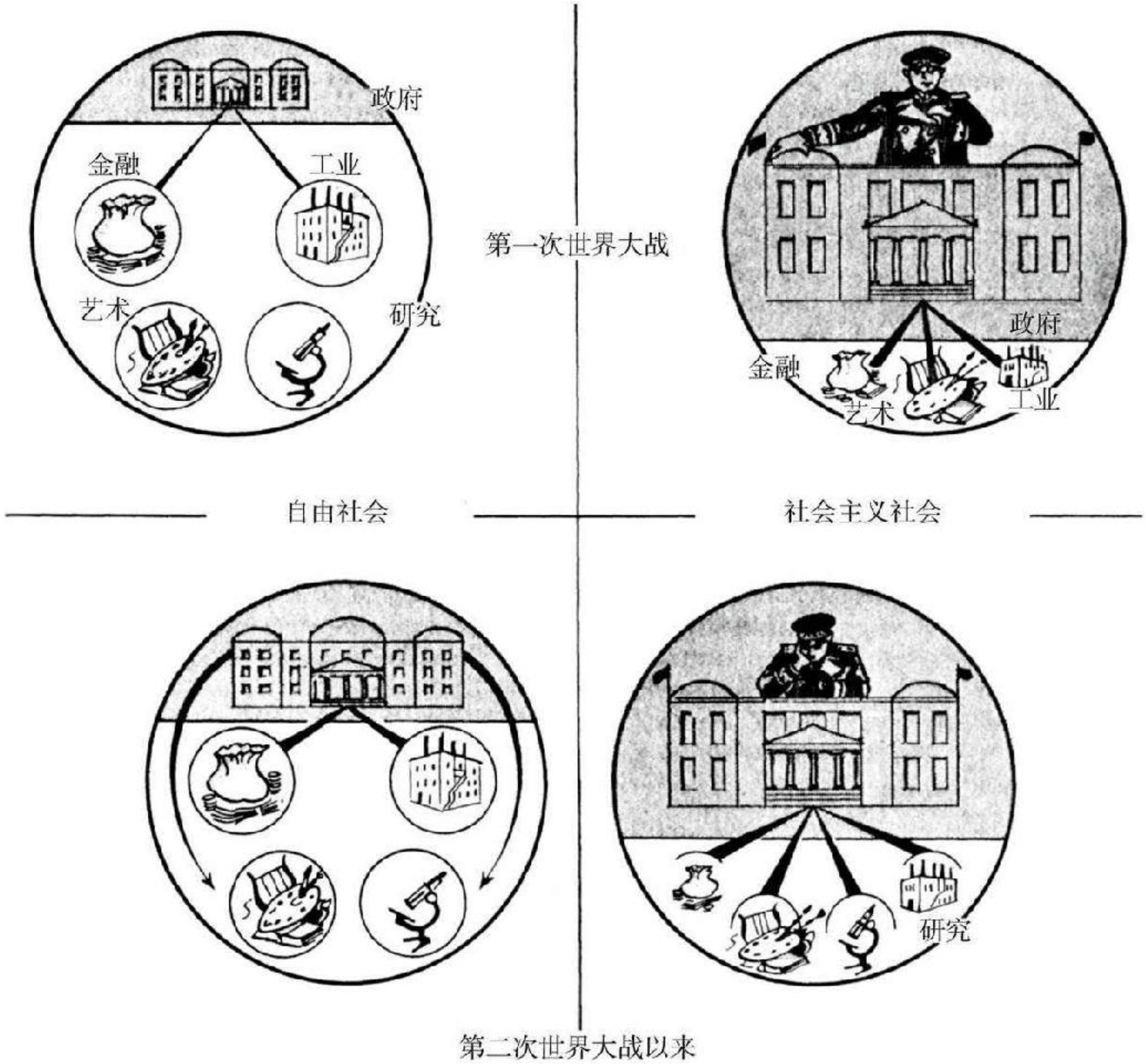
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大家为一人与一人为大家

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奥斯曼帝国的终结

战争、革命以及现代中东的诞生 1908—1923

THE OTTOMAN ENDGAME

War, Revolution, and the Making of the Modern Middle East, 1908–1923

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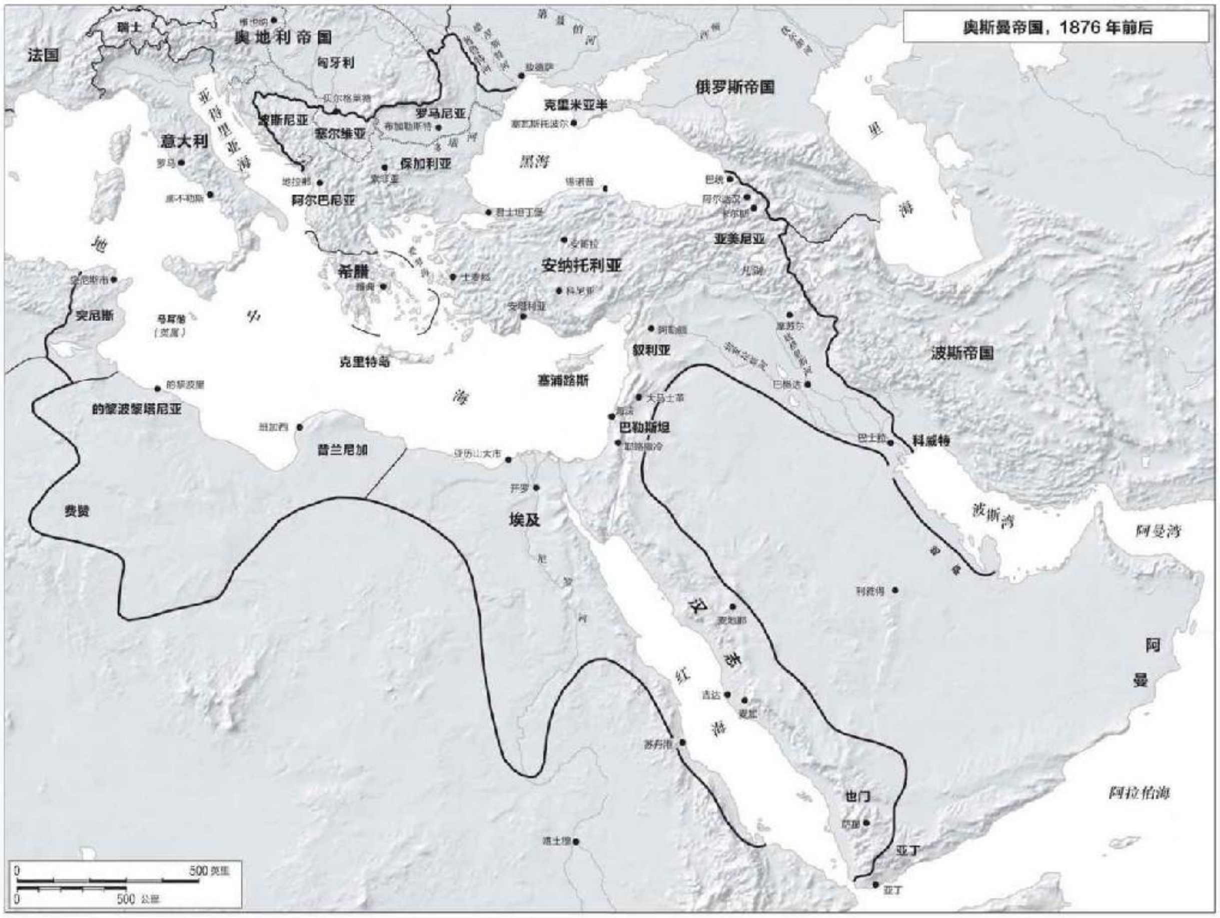
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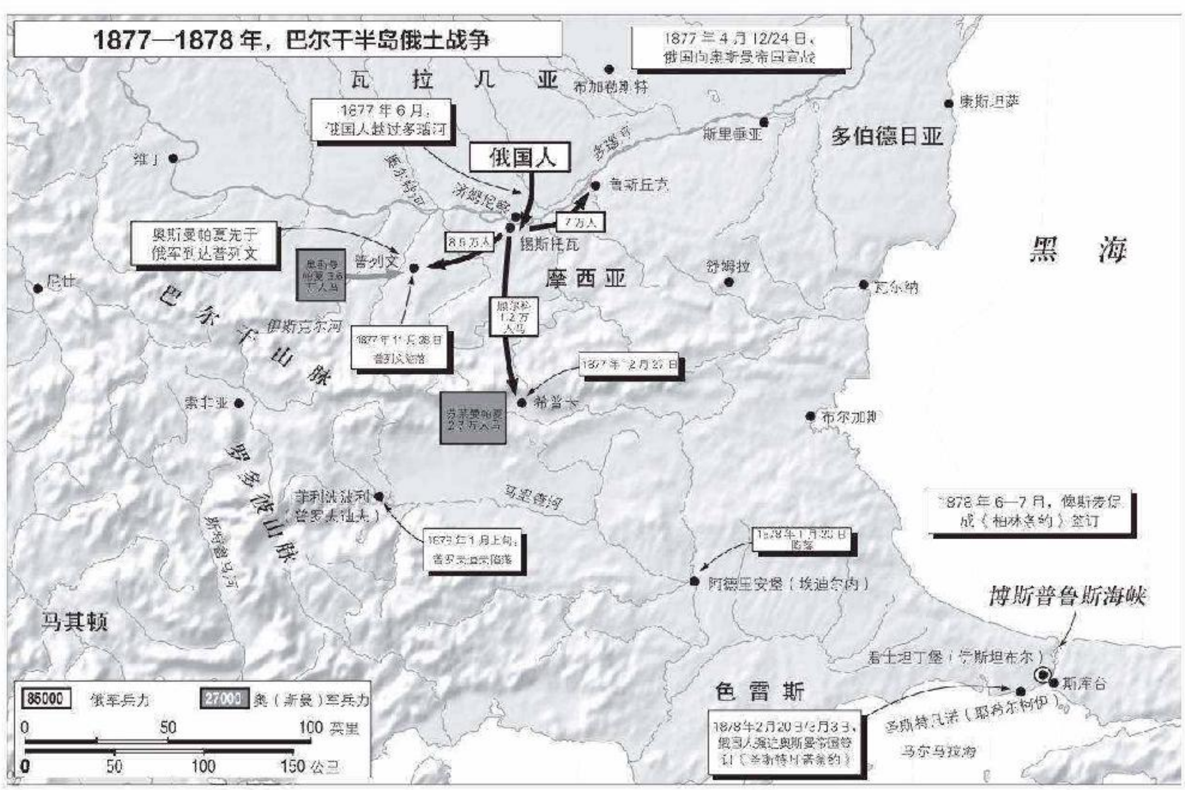
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[illegible]·[illegible]1895[illegible]·[illegible]Auguste Comte[illegible]“[illegible]……[illegible]”[illegible]CUP[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]·[illegible]Arif Bey Oğlu[illegible]“[illegible]”[illegible]“[illegible]·[illegible]”[illegible]·[illegible]

[illegible]CUP[illegible]“[illegible]”·[illegible]——[illegible]——[illegible]1902[illegible]2[illegible]1903[illegible]1[illegible]Sabahaddin[illegible]

[illegible]——[illegible]“[illegible]”[illegible]47[illegible]“[illegible]”“[illegible]

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[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible][8]

[illegible]“[illegible]”·[illegible]1903[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]1906[illegible]3[illegible]Pius X[illegible]“[illegible]”[illegible]1906[illegible]8[illegible]·[illegible]Sir Edward Grey[illegible]“[illegible]”[9]

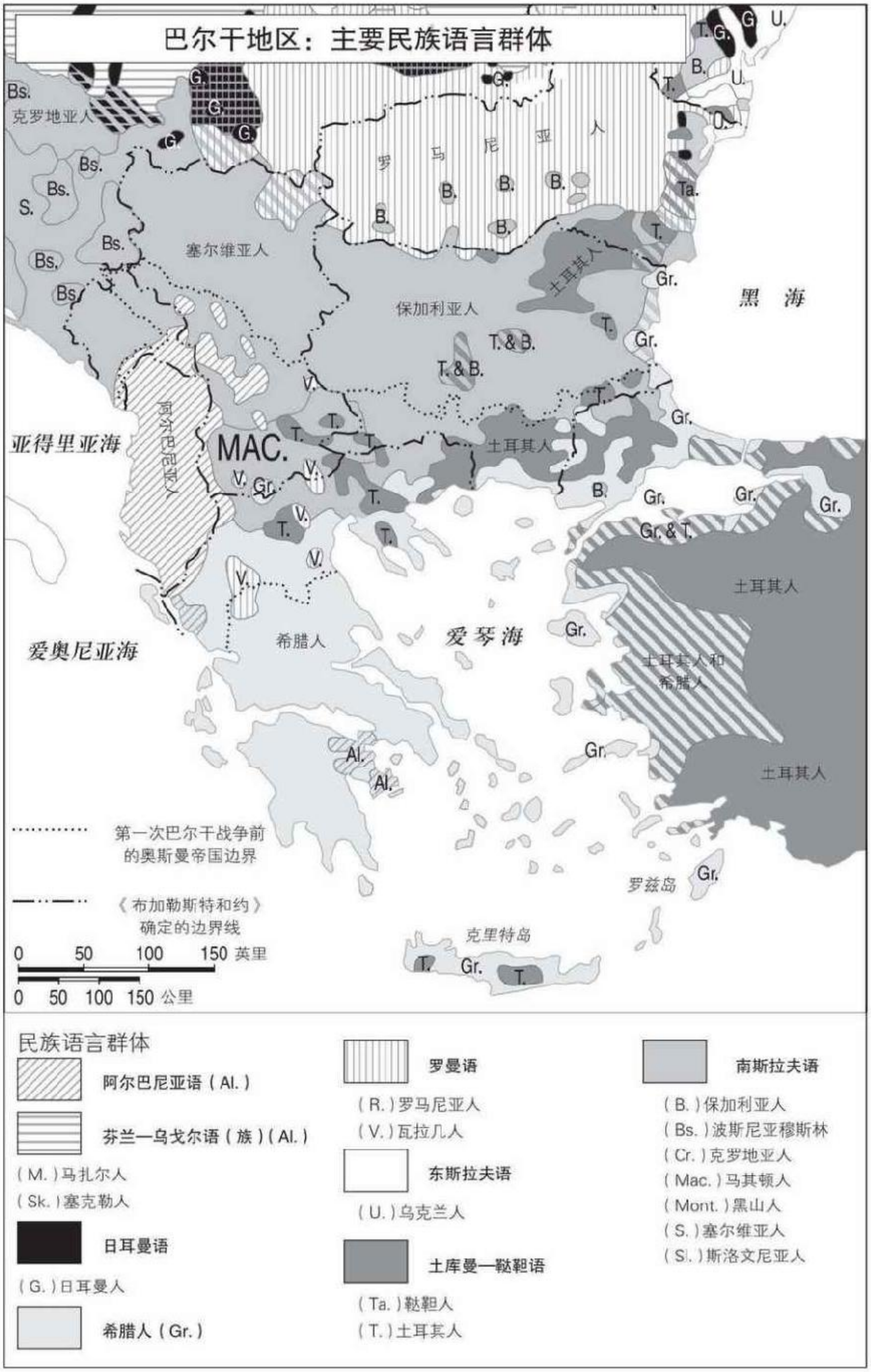
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[illegible]……[illegible]”[illegible] [10]

[illegible]·[illegible]1808—1839[illegible]17[illegible]—[illegible]1904[illegible]1904[illegible]1905[illegible]·[illegible]4[illegible]·[illegible] [11]

[illegible]·[illegible]19[illegible]80[illegible]1897[illegible]——[illegible]·[illegible]——[illegible]20[illegible] [12]

[illegible]Lake Ohrid[illegible]1878[illegible]“[illegible]”[illegible]23[illegible]·[illegible]20[illegible]——[illegible]Salonica[illegible]Monastir[illegible]Kosovo[illegible]—[illegible]Thessaloniki[illegible]—[illegible]1893[illegible]·[illegible]Gotse Delchev[illegible]IMRO[illegible]BMARC[illegible]“[illegible]”[illegible]20[illegible]


巴尔干地区：主要民族语言群体
克罗地亚人
塞尔维亚人
罗马尼亚人
保加利亚人
土耳其人
黑海
T. & B.
阿尔巴尼亚人
亚得里亚海
MAC.
希腊人
爱琴海
爱奥尼亚海
土耳其人和希腊人
罗兹岛
克里特岛
第一次巴尔干战争前的奥斯曼帝国边界
《布加勒斯特和约》确定的边界线
0 50 100 150 英里
0 50 100 150 公里
民族语言群体
阿尔巴尼亚语（Al.）
芬兰—乌戈尔语（族）（Al.）
（M.）马扎尔人
（Sk.）塞克勒人
日耳曼语
（G.）日耳曼人
希腊人（Gr.）
罗曼语
（R.）罗马尼亚人
（V.）瓦拉几人
东斯拉夫语
（U.）乌克兰人
土库曼—鞑靼语
（Ta.）鞑靼人
（T.）土耳其人
南斯拉夫语
（B.）保加利亚人
（Bs.）波斯尼亚穆斯林
（Cr.）克罗地亚人
（Mac.）马其顿人
（Mont.）黑山人
（S.）塞尔维亚人
（Sl.）斯洛文尼亚人

1903[illegible]4[illegible]“[illegible]”[illegible]IMRO[illegible]1876[illegible]20[illegible]60[illegible]Bashi-Bazouks[illegible]Üsküp[illegible]Skopje[illegible]8[illegible]IMRO[illegible]2.6[illegible]Kruševo[illegible]Smilovo[illegible]9[illegible]IMRO[illegible]5 300[illegible]6 000[illegible]7[illegible]3[illegible]IMRO[illegible]·[illegible][13]

1903[illegible]10[illegible]9[illegible]Mürzteg[illegible]Nicholas Ⅱ[illegible]·[illegible]Franz Josef I[illegible]1897[illegible]——[illegible]——[illegible]——[illegible]

[illegible]——[illegible]·[illegible]1826[illegible]——[illegible]“[illegible]”[illegible]1906[illegible]——[illegible]1907[illegible]7[illegible]1908[illegible]7[illegible]12[illegible]17[illegible][14]

[illegible]·[illegible]IMRO[illegible]“[illegible]”[illegible]——[illegible]19[illegible]90[illegible]19[illegible]70[illegible]——[illegible]IMRO[illegible]

[illegible]1908[illegible]“[illegible]”[illegible]Bektashi dervish[illegible]Freemasonry[illegible]Carbonari[illegible]“[illegible]”[illegible]——[illegible]·[illegible]Sabbatai Zevi[illegible]1666[illegible]“[illegible]”[illegible]5[illegible] [15]

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[illegible]1908[illegible]6[illegible]8—10[illegible]1907[illegible]1908[illegible]6[illegible]11[illegible]·[illegible]·[illegible]Nazım Bey[illegible]CUP[illegible]·[illegible]·[illegible]6[illegible]25—26[illegible]CUP[illegible]——[illegible]·[illegible]·[illegible]Ahmed Niyazi Bey[illegible]200[illegible]7[illegible]7[illegible]

[illegible]CUP[illegible]——[illegible]CUP[illegible][19]

[illegible]·[illegible]“[illegible]”[illegible]1908[illegible]7[illegible]23—24[illegible]·[illegible]8[illegible]1[illegible]3[illegible]——[illegible]CUP[illegible]2/3[illegible]CUP[illegible]——[illegible]·[illegible][20]

1908[illegible]“[illegible]![illegible]”[illegible]·[illegible]

[illegible]CUP[illegible]·[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”“[illegible]”[illegible]“[illegible]”“[illegible]”[illegible]“[illegible]5[illegible]”[illegible][2][illegible]“[illegible]”[illegible]“[illegible]”[illegible]CUP[illegible][21][illegible]1908[illegible]7[illegible]“[illegible]”[22]

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[illegible]CUP[illegible]CUP[illegible]·[illegible]Djemal Bey[illegible]·[illegible]Talât Bey[illegible]·[illegible]·[illegible]Mehmed Djavid Bey[illegible]·[illegible]·[illegible]·[illegible]

[illegible]——[illegible]——[illegible]25[illegible]CUP[illegible]“[illegible]”[illegible]—[illegible]10[illegible]CUP[illegible]——[illegible]·[illegible]Mizancı Murad[illegible]“[illegible]”[illegible][23]

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> [illegible]“[illegible]”[illegible][24]

[illegible]9[illegible]10[illegible]1875—1878[illegible]·[illegible]1903[illegible]·[illegible]·[illegible]·[illegible]Baron Alois Lexa von Aehrenthal[illegible]·[illegible]Alexander Izvolsky[illegible]Buchlau[illegible]

[illegible]9[illegible]·[illegible]·[illegible]10[illegible]5[illegible]Prince Ferdinand[illegible]·[illegible]

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[illegible] · [illegible] · [illegible] CUP [illegible] CUP [illegible] hoca [illegible] imam [illegible] [3] [illegible] · [illegible] · [illegible] Hafız Dervis Vahdeti [illegible]

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[illegible]1909[illegible]4[illegible]12—13[illegible][4][illegible]3000[illegible]Taksim barracks[illegible]“[illegible]”[illegible]CUP[illegible]·[illegible]·[illegible]——[illegible]“[illegible]”[illegible]·[illegible]CUP[illegible]*Tanin*[illegible]CUP[illegible]·[illegible][27]

[illegible]·[illegible]·[illegible]·[illegible]·[illegible]CUP[illegible]·[illegible]·[illegible]——[illegible]4[illegible]15[illegible]Adana[illegible]CUP[illegible]1896[illegible]2 000[illegible][5][illegible]CUP[illegible]9[illegible][28]

[illegible]33[illegible]·[illegible]1909[illegible]4[illegible]1908[illegible]8[illegible]·[illegible]8[illegible][29][illegible]CUP[illegible]·[illegible]·[illegible]·[illegible]4[illegible]22[illegible]1878[illegible]

4[illegible]24[illegible]·[illegible][6][illegible]Fatih[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible][30]

4[illegible]25[illegible]·[illegible]·[illegible]CUP[illegible]——[illegible]1908[illegible]7[illegible]CUP[illegible][31]

[illegible]1908[illegible]10[illegible]1909[illegible]3[illegible]·[illegible]“[illegible]”[illegible]·[illegible]·[illegible]

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[illegible]1909[illegible]1911[illegible]4[illegible]CUP[illegible]·[illegible]——[illegible]1911[illegible]4[illegible]22[illegible]CUP[illegible]180[illegible]“[illegible]”[34][illegible]·[illegible]

[illegible]1908—1909[illegible]—[illegible]1909[illegible]4[illegible]24[illegible]1909[illegible]6[illegible]26[illegible]“[illegible]”[illegible]1909[illegible]8[illegible]7[illegible]3[illegible]1[illegible]1904—1905[illegible]3[illegible]16[illegible]9[illegible]3[illegible]3[illegible]1[illegible]

[illegible]1909—1910[illegible]1910[illegible]10[illegible]6[illegible]75[illegible][35]

CUP[illegible]·[illegible]Ernst Jäckh[illegible]1910[illegible]12[illegible]1.6[illegible]1912[illegible]6[illegible]F. H.[illegible][36]

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1909□□□□□□□□□□□□□□1 000□2 000□□□□□□□□□□□□□□□□20 000□□□□□□□□□□□□

[6] □1909□4□□□□□□□□□□□□□□□□□□□□□□□□□□□·□□□·□□□□□□Recep Tayyip Erdoğan□□□
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□□□□□□□□□□1909□3□31□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□CUP□□□□□□□□□□□□□□□
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——1912[illegible]10[illegible]10[illegible]

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[illegible]Enos[illegible]Midia[illegible]

——1913[illegible]5[illegible]30[illegible]

[illegible][2]

[illegible]1909[illegible]4[illegible]20[illegible]1908[illegible]7[illegible]CUP[illegible]—[illegible]1905[illegible]1909[illegible]CUP[illegible]

1910[illegible]1906[illegible]“[illegible]”[illegible]·[illegible]·[illegible]·[illegible]Theobald von Bethmann Hollweg[illegible]·[illegible]·[illegible]Alfred von Tirpitz[illegible]·[illegible]1905[illegible]1910[illegible]“[illegible]”[illegible][1] 1910[illegible]5[illegible]·[illegible][3]

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[illegible]1861[illegible]“[illegible]”[illegible]1882[illegible]Trieste[illegible]South Tyrol[illegible]——[illegible]1910[illegible]Tripolitania[illegible]Cyrenaica[illegible][4][illegible]——[illegible]——[illegible]

1911[illegible]1905[illegible]3[illegible]Tangier[illegible]·[illegible]“[illegible]”[illegible]1904[illegible]6[illegible]·[illegible]

——“ ” 1911 7 1 Agadir

· Antonino San Giuliano “ ” CUP 1909 4 1911 9 23 24 1911 9 29

Tobruk Derna Benghazi 90% “ ”

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· · CUP ·

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[illegible]19[illegible]10[illegible]5[illegible]

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1912[illegible]——[illegible]·[illegible]Nikolai Hartwig[illegible]1912[illegible]3[illegible]Struma River[illegible]Rhodope Mountains[illegible]10[illegible]5[illegible]“[illegible]”[illegible]Scutari[illegible]1912[illegible]10[illegible]6[illegible]10[illegible]14[illegible]9[illegible][6]

[illegible]——[illegible] [3] ——[illegible]·[illegible]·[illegible]—[illegible]Alfred von

Kiderlen-Wächter[illegible]“[illegible]”[illegible][7]

1912[illegible]7[illegible]“[illegible]”[illegible]Halaskâr Zabitan Grubu[illegible]CUP[illegible]8[illegible]5[illegible]——[illegible]CUP[illegible]1912[illegible]9[illegible]4[illegible]10[illegible]Dodecanese islands[illegible]——[illegible]10[illegible]8[illegible]·[illegible]Ahmed Muhtar Pasha[illegible]CUP[illegible]·[illegible]10[illegible]17[illegible]——[illegible]12[illegible][8]

[illegible]1897[illegible]1876[illegible]——[illegible]1903[illegible]2 400[illegible]430[illegible]300[illegible]267[illegible]25[illegible]1 000[illegible]“[illegible]……[illegible]”[illegible]1912[illegible]10[illegible]10[illegible]“[illegible]”[illegible][9][illegible]

[illegible]“[illegible]”[illegible]60[illegible]6.2[illegible]30[illegible]35[illegible]16.8[illegible]23[illegible]20[illegible]1908—1911[illegible]9[illegible]16[illegible]19[illegible]1[illegible]1[illegible]——“[illegible]·[illegible]”[illegible]*Georgios Averov*[illegible]

[illegible]4.45[illegible]80[illegible]
[illegible]31.5[illegible]20[illegible]11.5[illegible] [10]

[illegible]·[illegible]——[illegible]“[illegible]”[illegible]100[illegible]Constanţa[illegible]11[illegible]12[illegible]1[illegible]1912[illegible]12[illegible]20[illegible] [11]

[illegible]1877—1878[illegible]——[illegible]Kırk Kilise[illegible]50[illegible]80[illegible]——[illegible]2/3[illegible]Abdullah Pasha[illegible]Nizam Pasha[illegible]3[illegible]8[illegible]10[illegible]21[illegible]36[illegible]58[illegible]10[illegible]24[illegible]10[illegible]29[illegible]Lüleburgaz[illegible]Pinarhisar[illegible]4[illegible]2[illegible]11[illegible]2[illegible]45[illegible]40[illegible] [12]

[illegible]10[illegible]24[illegible]10[illegible]Kumanovo[illegible]5.8[illegible]Vardar[illegible]Bitola[illegible] [13] [illegible]1912[illegible]11[illegible]Thessaly[illegible]10[illegible]22[illegible]Sarantaporos[illegible]Epirus[illegible]

[illegible]11[illegible]2[illegible]—[illegible]Yenije Vardar[illegible]11[illegible]7[illegible]24[illegible]1912[illegible]11[illegible]8[illegible]·[illegible]8[illegible]·[illegible][14]

[illegible]“[illegible]80[illegible]129[illegible]”[15][illegible]“[illegible]”——[illegible]“[illegible]”[illegible]“[illegible]”[illegible][16][illegible]

[illegible]Prizren[illegible]

[illegible]·[illegible]Raymond Poincaré[illegible]1913[illegible]1[illegible]1912[illegible]11[illegible]17[illegible]“[illegible]”[illegible][17][illegible]·[illegible]“[illegible]”[illegible][18]



第一次及第二次巴尔干战争造成的领土变化
俄罗斯帝国
比萨拉比亚
奥匈帝国
罗马尼亚
波斯尼亚
贝尔格莱德
布加勒斯特
斯里垂亚
多布罗加
康斯坦萨
萨拉热窝
塞尔维亚
黑塞哥维那
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布尔加斯
菲利波波利
（普罗夫迪夫）
东鲁米利亚
克尔克拉雷利
（罗森格勒）
科索沃
斯库台
库马诺沃
亚得里亚海
斯匹普
（斯科普里）
阿德里安堡
米迪亚
都拉斯
莫纳斯提尔（比托拉）
瓦尔达尔河
色雷斯
地拉那
君士坦丁堡
阿尔巴尼亚
1913 年 7 月 29 日
独立
雅尼察—瓦尔达尔
萨洛尼卡
以挪士
布莱
萨兰塔波罗斯关口
奥斯曼帝国
利姆诺斯岛
达达尼尔海峡
科孚岛
约阿尼纳
希腊
爱琴海
莱斯博斯岛
希俄斯岛
雅典
多德卡尼斯群岛
（1912 年由意大利占领）
1913 年，克里特岛由希腊占领
克里特岛
黑山所获得领土
塞尔维亚所获得领土
希腊所获得领土
保加利亚所获得领土
罗马尼亚所获得领土
巴尔干战争之前的奥斯曼帝国边界线
之前的边界线
《布加勒斯特和约》确定的边界线
0 50 100 150 英里
0 50 100 150 公里

[illegible]·[illegible]·[illegible]Leopold von Berchtold[illegible]1912[illegible]10[illegible]10[illegible]“[illegible]”[illegible]10[illegible]30[illegible]——[illegible]Dürres[illegible]“[illegible]”[illegible][19][illegible]

[illegible]1912[illegible]11—12[illegible]11[illegible]17[illegible]Alessio[illegible]50[illegible]80[illegible]“[illegible]”[illegible]11[illegible]21[illegible]V. A.[illegible]V. A. Sukhomlinov[illegible]“[illegible]”[illegible]——[illegible]Odessa[illegible]11[illegible]23[illegible]V. N.[illegible]V. N. Kokovtsov[illegible]——[illegible]·[illegible]1912[illegible][20]

[illegible]12[illegible]3[illegible]1912[illegible]12[illegible]8[illegible]·[illegible]·[illegible]Helmuth von Moltke[illegible]“[illegible]”[illegible]“[illegible]”[illegible][21][illegible]“[illegible]”[illegible][22]

[illegible]1912[illegible]12[illegible]16—17[illegible]“[illegible]”[illegible]1878[illegible]6[illegible]—[illegible]Reshid Pasha[illegible]4[illegible]——[illegible]Samothrace[illegible]Imbros[illegible]Lemnos[illegible]Tenedos[illegible]·[illegible]Stoyan Danev[illegible]“[illegible]”[illegible][23] [illegible]

[illegible]“[illegible]”[illegible]CUP[illegible]CUP[illegible]·[illegible]·[illegible]·[illegible]1908—1909[illegible]·[illegible]12[illegible]20[illegible]

1913[illegible]1[illegible]17[illegible]——[illegible]——[illegible]1[illegible]22[illegible]69 : 1[illegible]50[illegible]CUP[illegible]“[illegible]”[illegible]Kibrisli[illegible]1909[illegible]4[illegible]·[illegible]·[illegible]Mahmud Shevket Pasha[illegible]1913[illegible]1[illegible]30[illegible]3[illegible]CUP[illegible]2[illegible]3[illegible]“[illegible]36[illegible]”[illegible][24]

[illegible]1913[illegible]2[illegible]7—8[illegible]Bulair[illegible]6 000[illegible][25][illegible]Sharkoi[illegible]2[illegible]10[illegible]3[illegible]3[illegible]20[illegible]1913[illegible]3[illegible]26[illegible]·[illegible]Mehmet Sükrü[illegible]4[illegible]15[illegible]

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[illegible]6 000[illegible]1.8[illegible]3.3[illegible]1.5[illegible]6[illegible]1913[illegible]5[illegible]30[illegible]——[illegible]—[illegible]——[illegible][26][illegible]3[illegible]1913[illegible]6[illegible]1[illegible]Silistria[illegible]1913[illegible]5[illegible]8[illegible]·[illegible]Ivan Geshov[illegible]5[illegible]1913[illegible]6[illegible]24[illegible]“[illegible]”[27][illegible]

1913[illegible]6[illegible]29—30[illegible]Bregalnitsa river[illegible]Zletovska river[illegible]·[illegible]·[illegible]——[illegible]——[illegible]7

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1913□7□12□□□□□□□□□□□—□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□7□22□□□□□□□□□□□□□□□□□□□□□□□□□□10□30□,□□□□□□□□“□□□□□□□□□□□□□□□□□□□□□□□□……□□□□□□□□□□□”□□□□□□□□□□□□□□□□□□□□□□□□8□2□□□□□□□□□□□□□□□□□□□□1913□9□30□□□□□□□□□□□□□□□□□□□□200□□□

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[2] [illegible]“[illegible]”[illegible]

[3] [illegible]10[illegible]“[illegible]”[illegible]

[illegible]

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——1914[illegible]4[illegible]—[illegible]·[illegible]·[illegible]（Abdurrahman Cami Baykut）[illegible][1]

[illegible]·[illegible]·[illegible]al-Saud[illegible]al-Wahhab[illegible]“[illegible]”[illegible]Ikhwan[illegible]Riyadh[illegible]1902[illegible]1913[illegible]——[illegible]—[illegible]Saudi-Wahhabi[illegible]1913[illegible]——[illegible]5[illegible]40%[illegible][2]

[illegible]“[illegible]”[illegible]CUP[illegible]“[illegible]”[illegible]“[illegible]”[illegible][3][illegible]“[illegible]”[illegible]1911[illegible]1913[illegible]·[illegible]

[illegible]1914[illegible]5[illegible]19[illegible]·[illegible]Halil Bey[illegible]“[illegible]……[illegible]Rumeli[illegible]”[illegible]“[illegible]”[illegible][4]

[illegible]/[illegible]1913[illegible]1[illegible]22[illegible]“[illegible]”[illegible]12[illegible]30[illegible]——14[illegible]“[illegible]”[illegible]*Reshadieh*[illegible]1913[illegible]9[illegible]3[illegible]13.5[illegible]34.3[illegible]·[illegible]Arthur Limpus[illegible]“[illegible]”[illegible]1914[illegible]——[illegible]——[illegible]1913[illegible][5]

[illegible]1911—1913[illegible]1912[illegible]1914[illegible]——[illegible]

[illegible]·[illegible]1896[illegible]1897[illegible]1903[illegible]1913[illegible]1[illegible]17[illegible]“[illegible]”[illegible]1914[illegible]

[illegible]“[illegible]”[illegible]·[illegible]Gerald Fitzmaurice[illegible]“[illegible]”[illegible] [1] [6] [illegible]——[illegible]·[illegible]

[illegible]1900[illegible]4 000[illegible]10%[illegible]1913[illegible]220[illegible]3[illegible]1917[illegible]3[illegible]1914[illegible]2[illegible]4[illegible]1917[illegible]1914[illegible]4[illegible]5[illegible] [7] [illegible]CUP[illegible]—[illegible]·[illegible]1914[illegible]4[illegible]30[illegible]“[illegible]……[illegible]” [8]

1913—1914[illegible]A. A.[illegible]A. A. Neratov[illegible]1913[illegible]6[illegible]2[illegible]M. N.[illegible]M. N. Girs[illegible]6[illegible]“[illegible]”[illegible]1897[illegible]1903[illegible]——[illegible]·[illegible]·[illegible]Hans von Wangenheim[illegible]1913[illegible]10[illegible]17[illegible]“[illegible]”[illegible]1914[illegible]2[illegible]8[illegible]“[illegible]”[illegible]“[illegible]”[illegible] [9]

[illegible]1913[illegible]12[illegible]14[illegible]42[illegible]·[illegible]·[illegible]·[illegible]·[illegible]Mahmud Muhtar Pasha[illegible]

[illegible]7[illegible]1913[illegible]4[illegible]·[illegible]6[illegible]“[illegible]”[illegible]·[illegible]Henry Morgenthau[illegible]“[illegible]”[illegible][10]

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1914[illegible]4[illegible]7[illegible]“[illegible]”[illegible]“[illegible]”[illegible][15][illegible]——[illegible]

[illegible]1914[illegible]6[illegible]“[illegible]”[illegible]“[illegible]”[2][illegible]——[illegible]6[illegible]12[illegible]——[illegible][16][illegible]“[illegible]”[illegible]7[illegible]

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1914[illegible]6[illegible]28[illegible]·[illegible]Hohenberg[illegible]Sarajevo[illegible]·[illegible]Gavrilo Princip[illegible]——[illegible]——[illegible]7[illegible]“[illegible]”[illegible]7[illegible]23[illegible]“[illegible]”[illegible]48[illegible]“[illegible]”[illegible]1914[illegible]7[illegible]30[illegible]——[illegible]“[illegible]”[illegible] [2]

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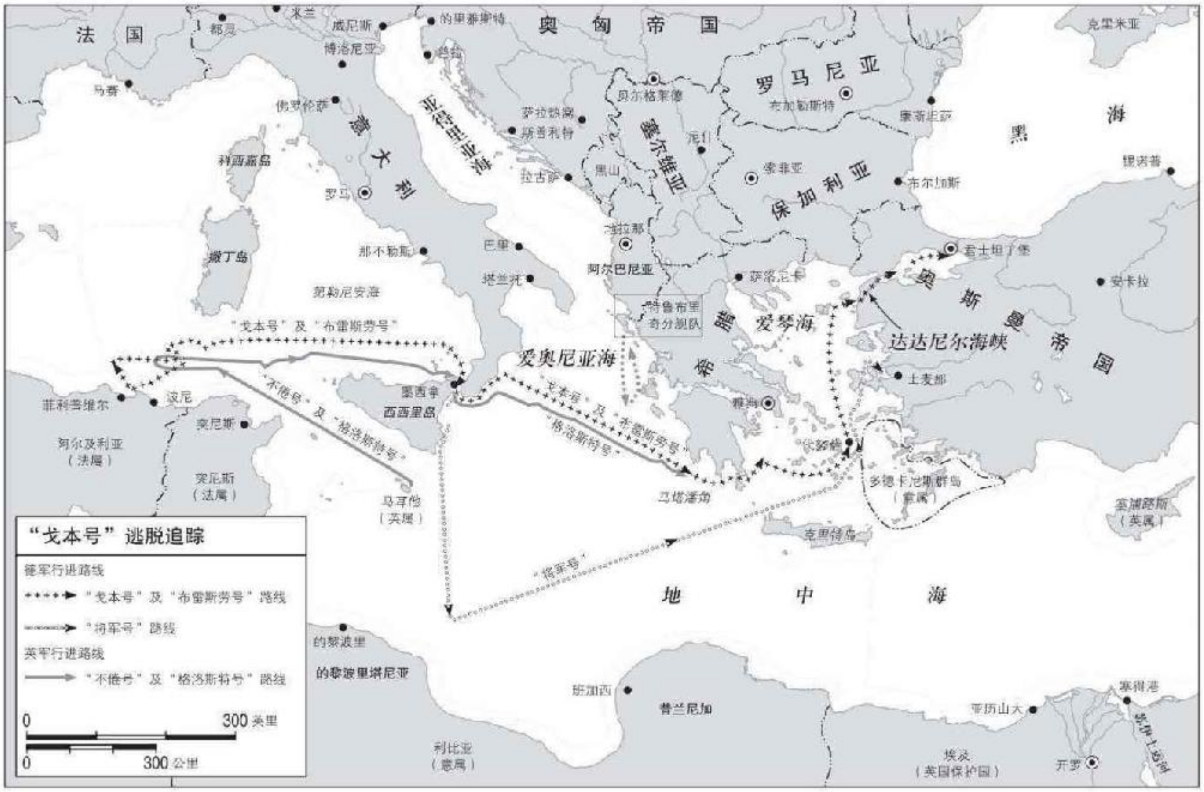
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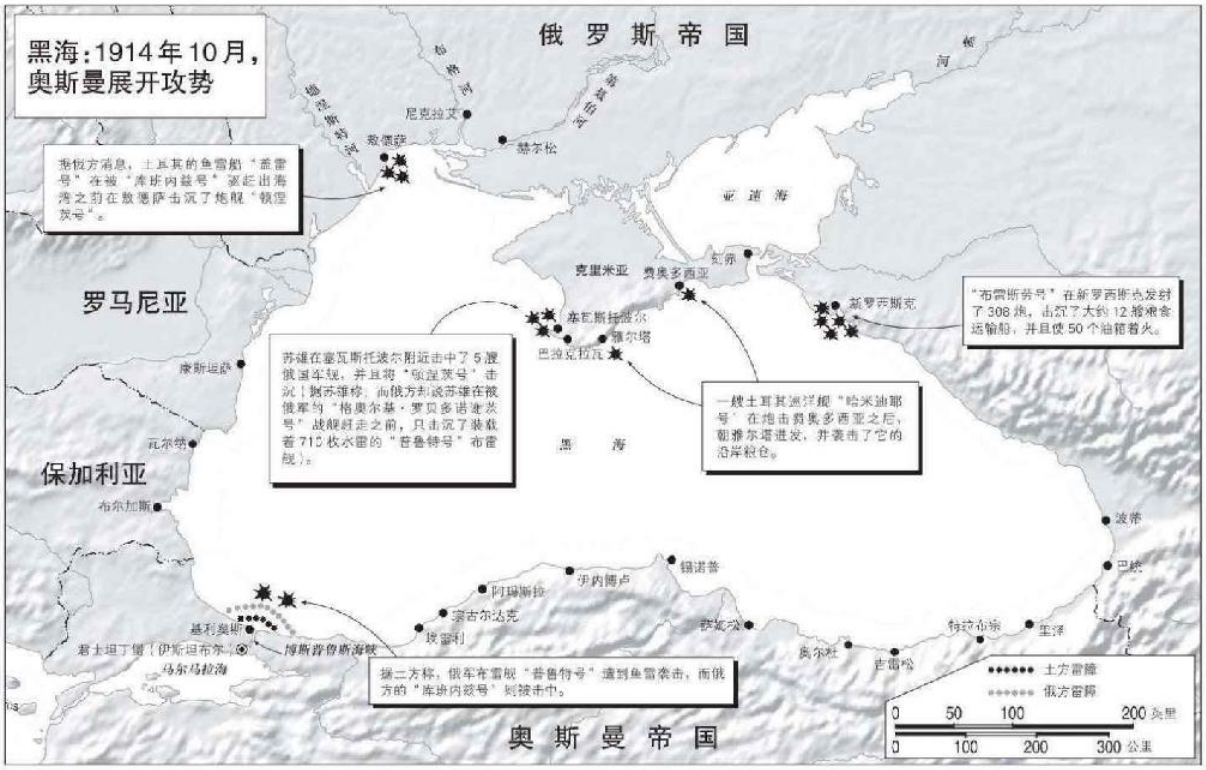
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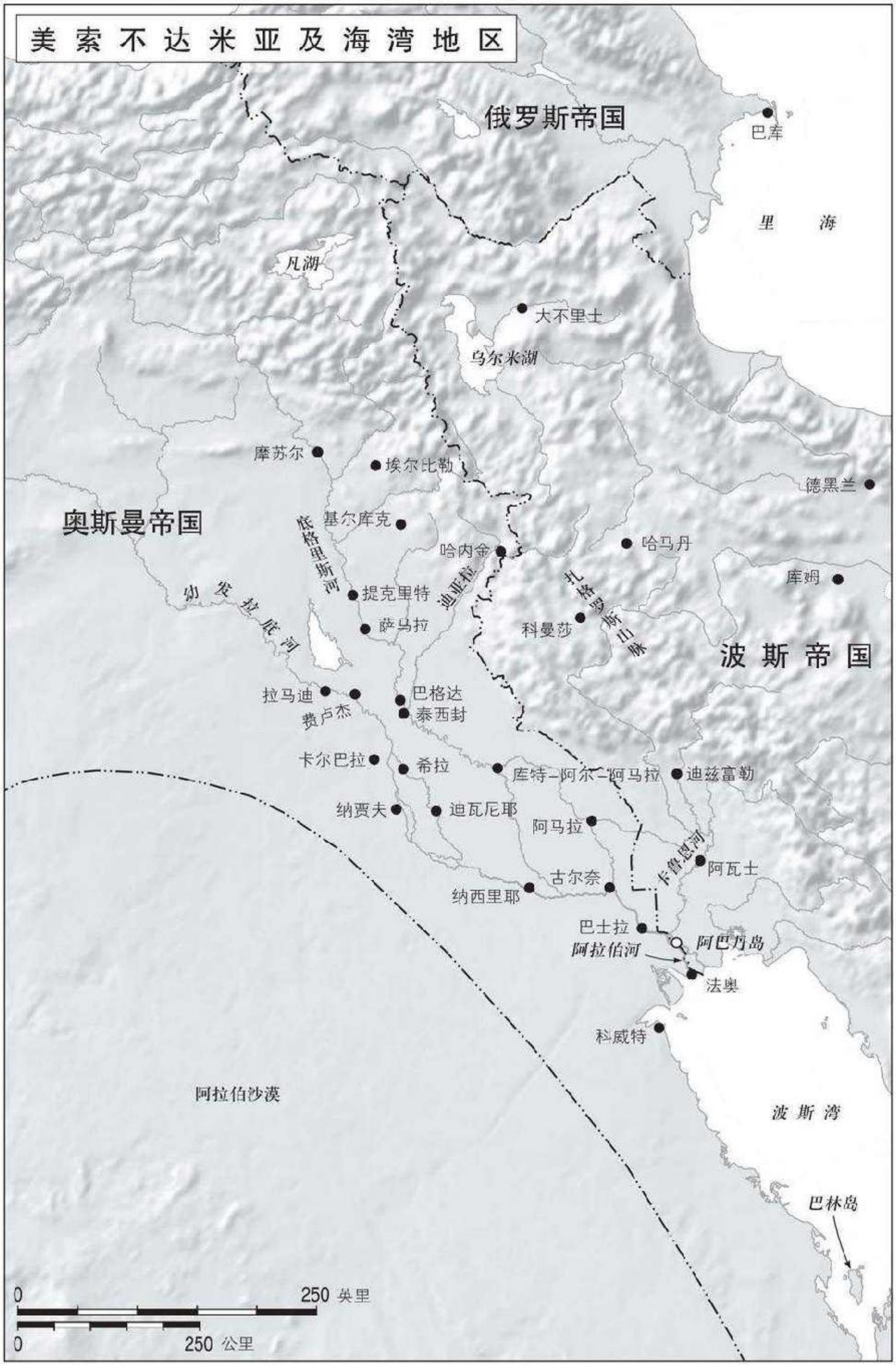
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塞利姆
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约尔峰
奥斯曼帝国
萨勒卡默什
恰基尔·巴巴山
巴斯卡勒
索安勒山
阿拉山
卡尔加帕扎勒山
卡厄兹曼
阿拉斯河
霍拉桑
克普吕柯伊
哈珊卡尔堡
阿拉斯河
埃尔祖鲁姆
距埃尔津詹 98 英里
距锡瓦斯 230 英里
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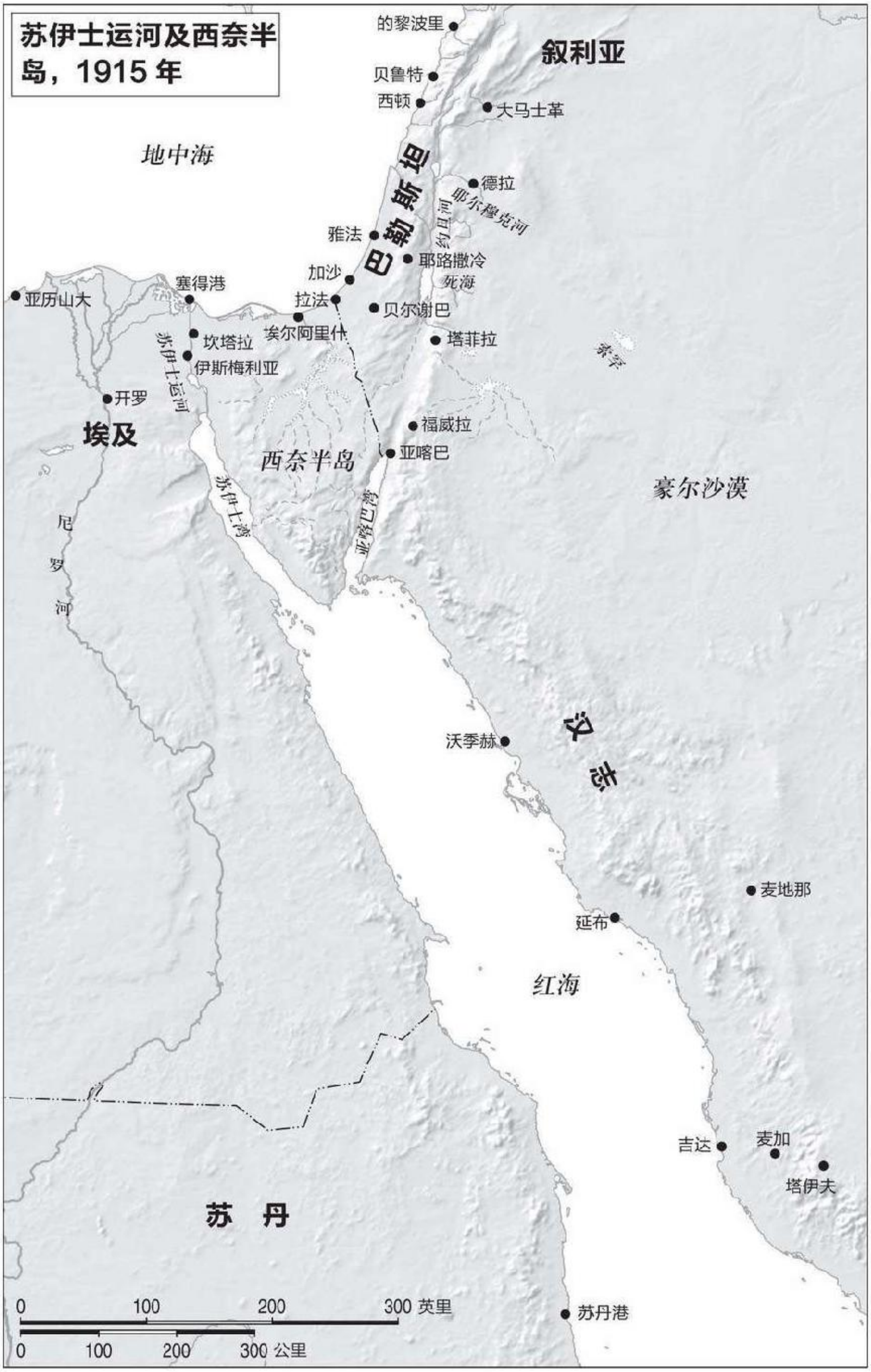
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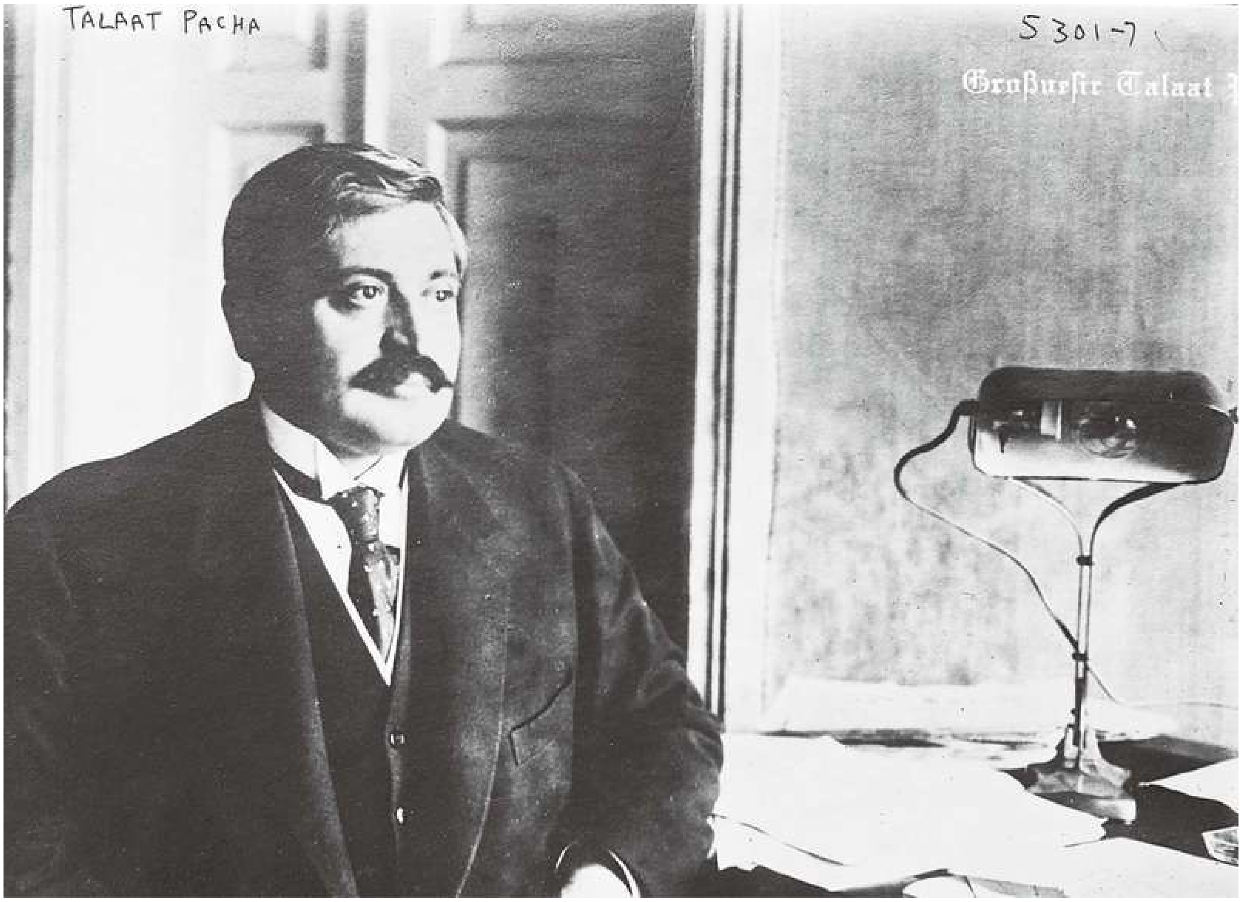


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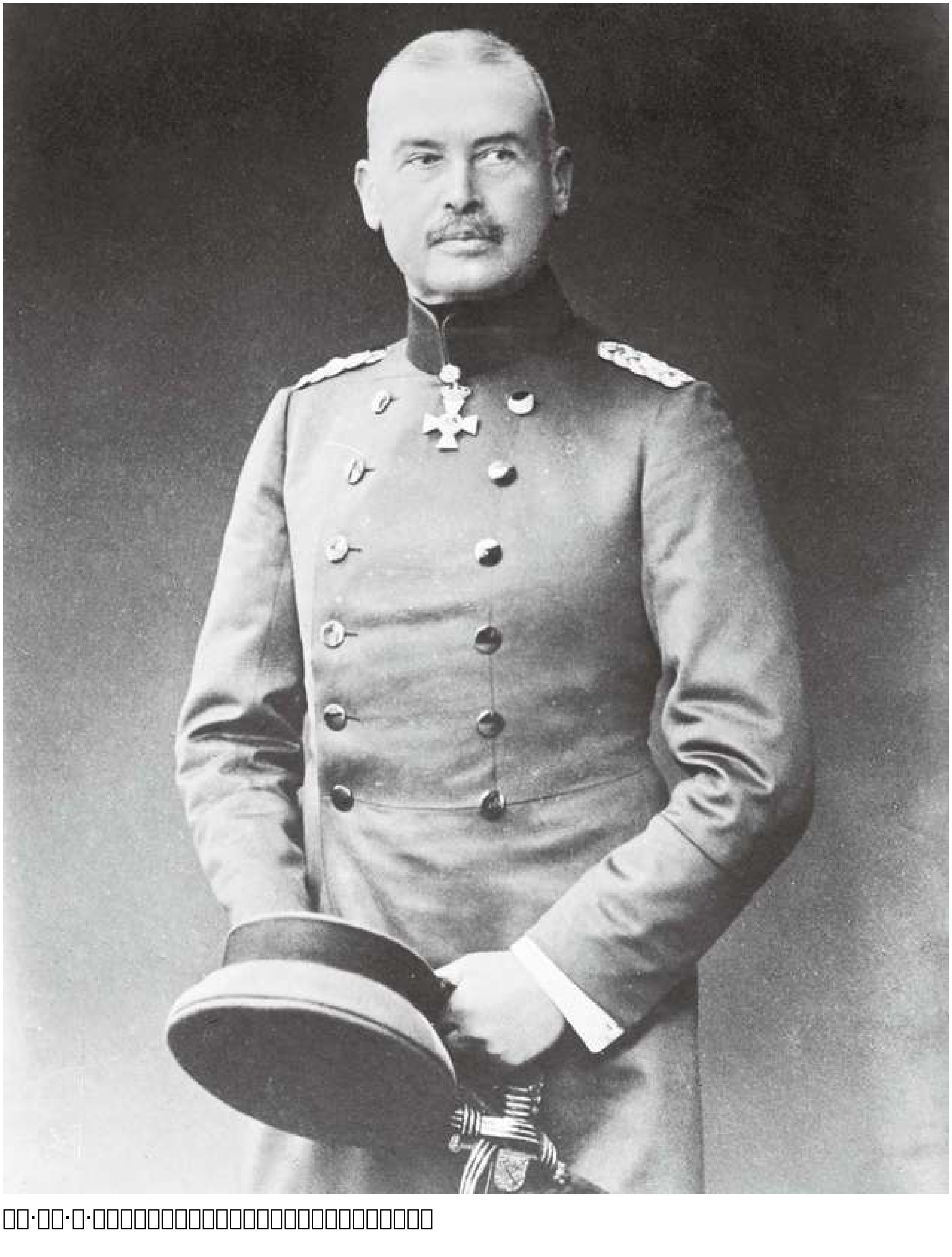




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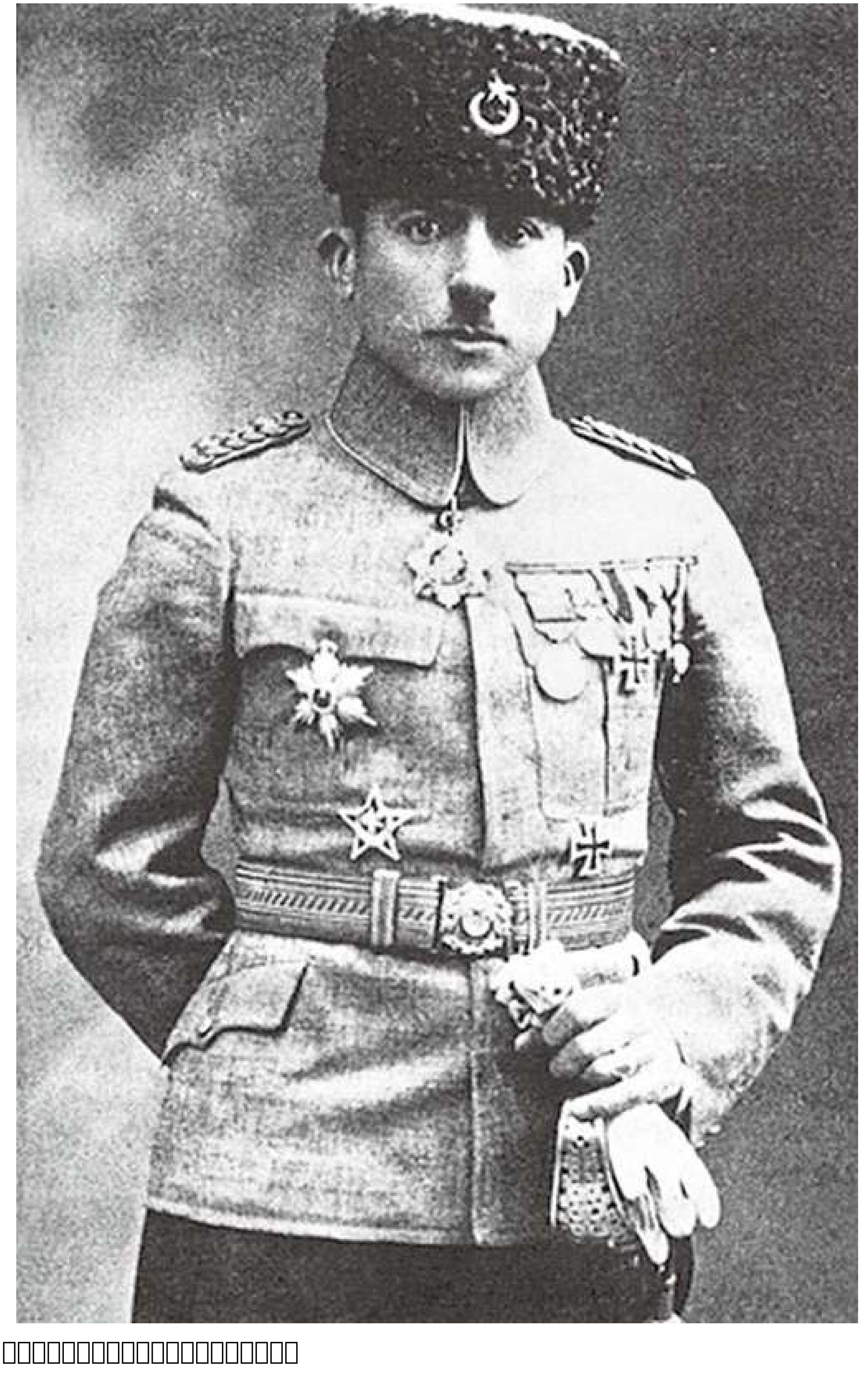


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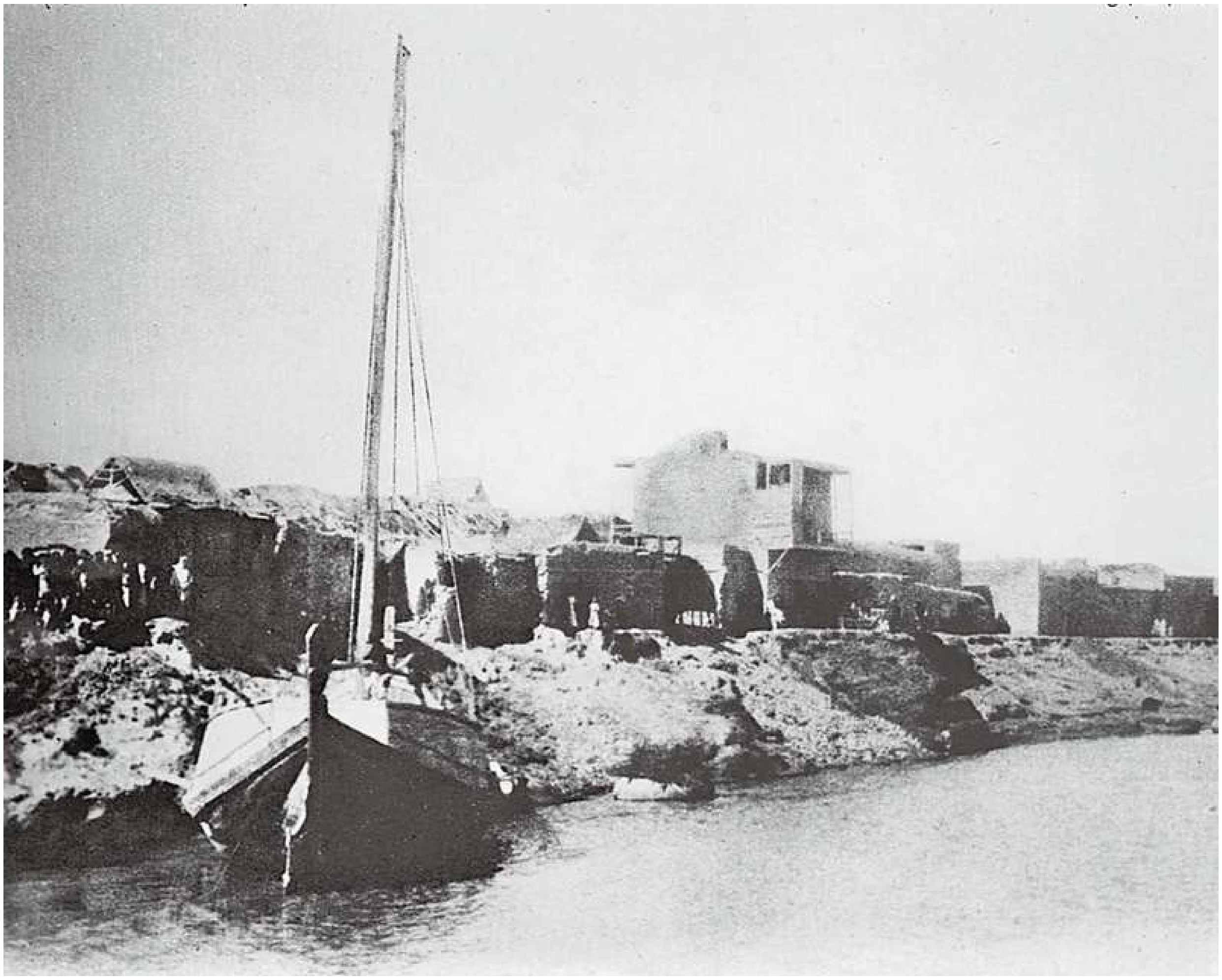
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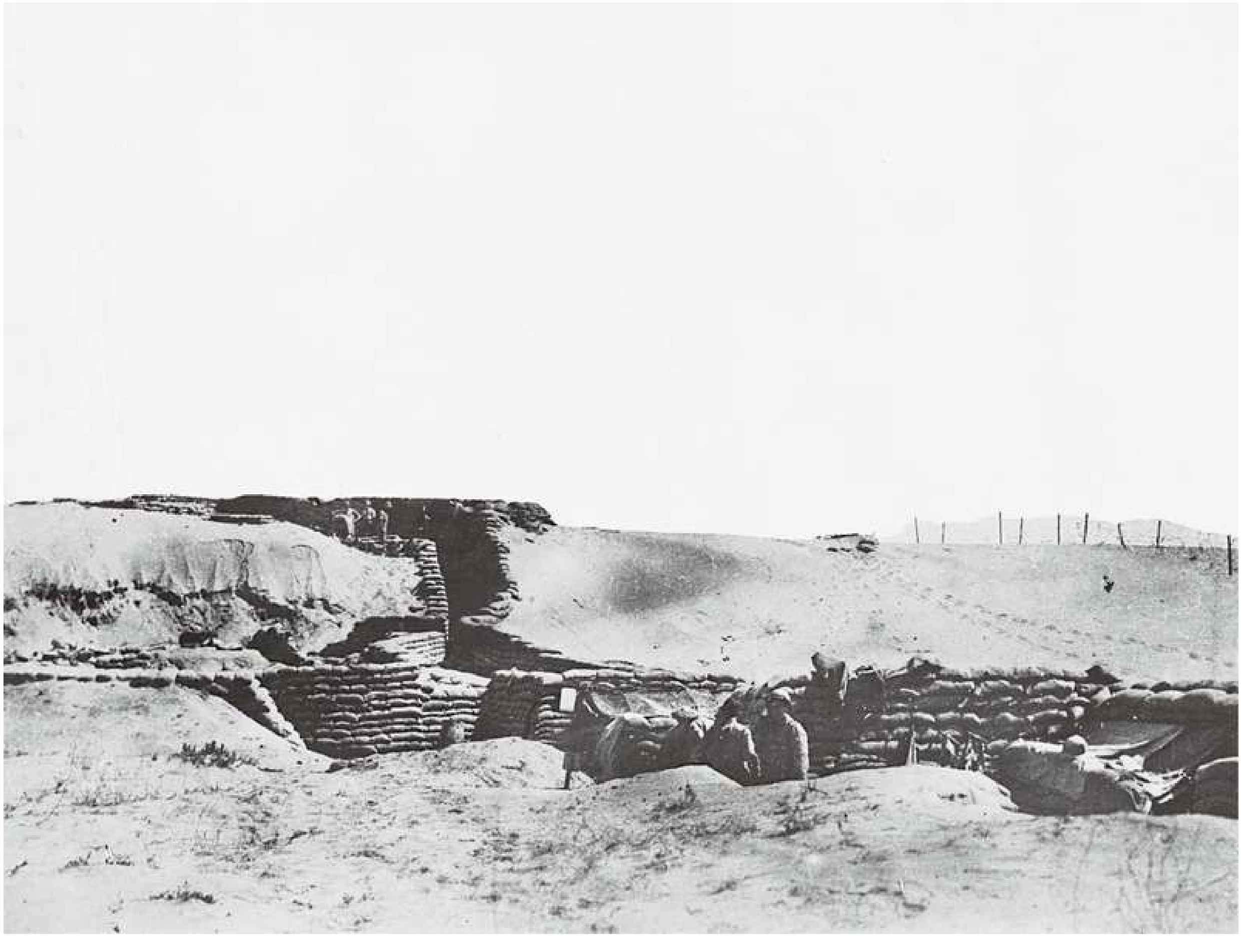
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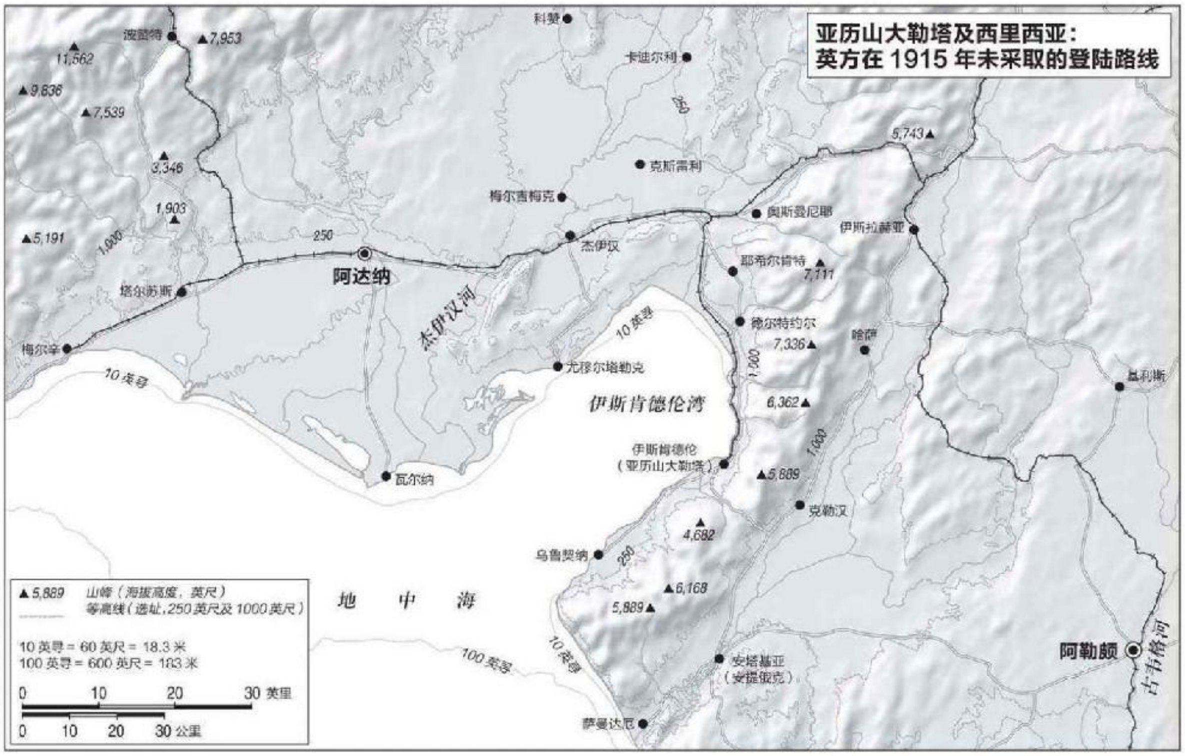
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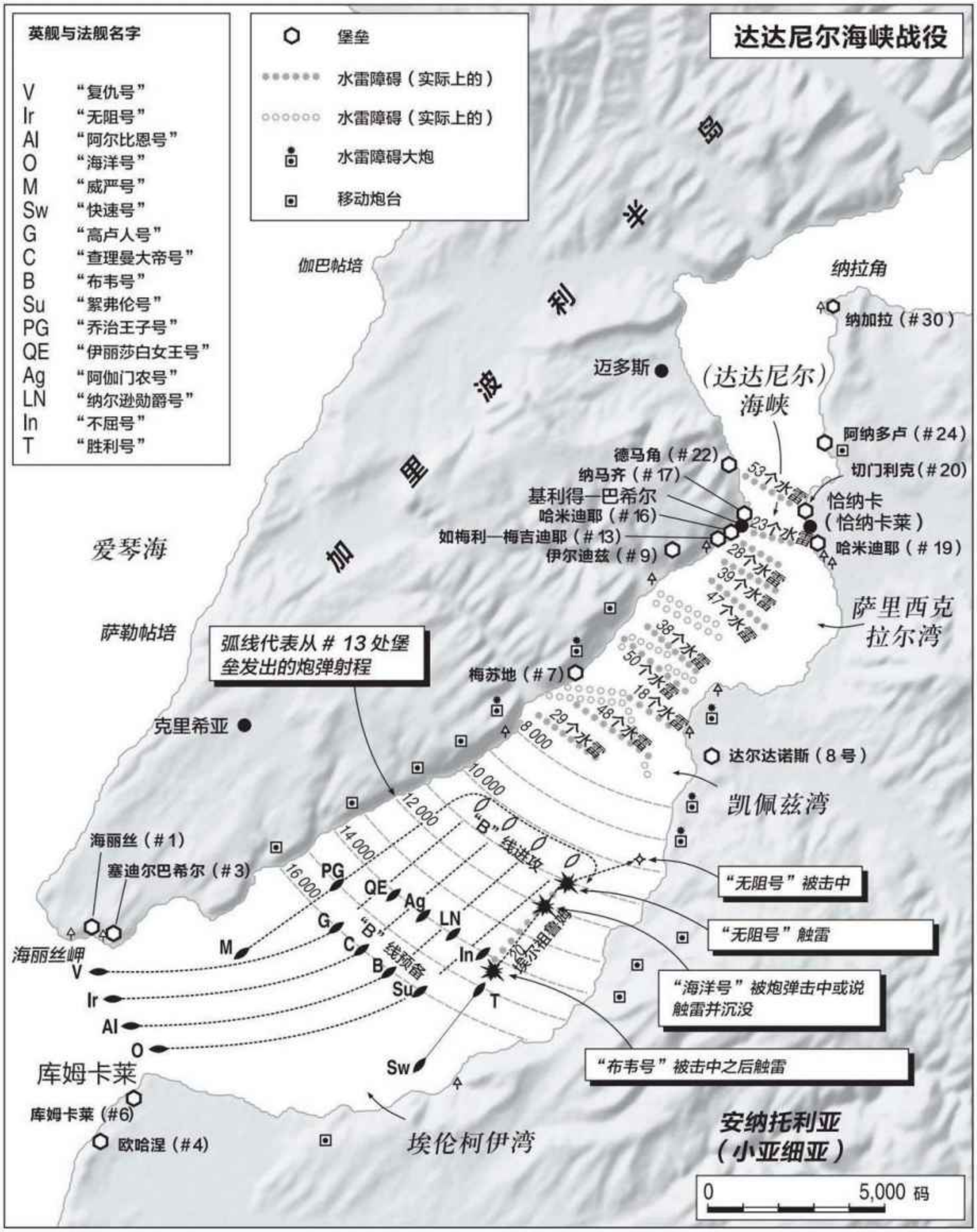
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V “复仇号”
Ir “无阻号”
Al “阿尔比恩号”
O “海洋号”
M “威严号”
Sw “快速号”
G “高卢人号”
C “查理曼大帝号”
B “布韦号”
Su “絮弗伦号”
PG “乔治王子号”
QE “伊丽莎白女王号”
Ag “阿伽门农号”
LN “纳尔逊勋爵号”
In “不屈号”
T “胜利号”
堡垒
水雷障碍（实际上的）
水雷障碍（实际上的）
水雷障碍大炮
移动炮台
加里波利半岛
伽巴帖培
纳拉角
纳加拉（#30）
迈多斯
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阿纳多卢（#24）
德马角（#22）
纳马齐（#17）
基利得—巴希尔
哈米迪耶（#16）
如梅利—梅吉迪耶（#13）
伊尔迪兹（#9）
切门利克（#20）
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梅苏地（#7）
克里希亚
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埃尔祖鲁姆
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[6] [illegible]“[illegible]”[illegible]“[illegible]·[illegible]”[illegible]——[illegible]

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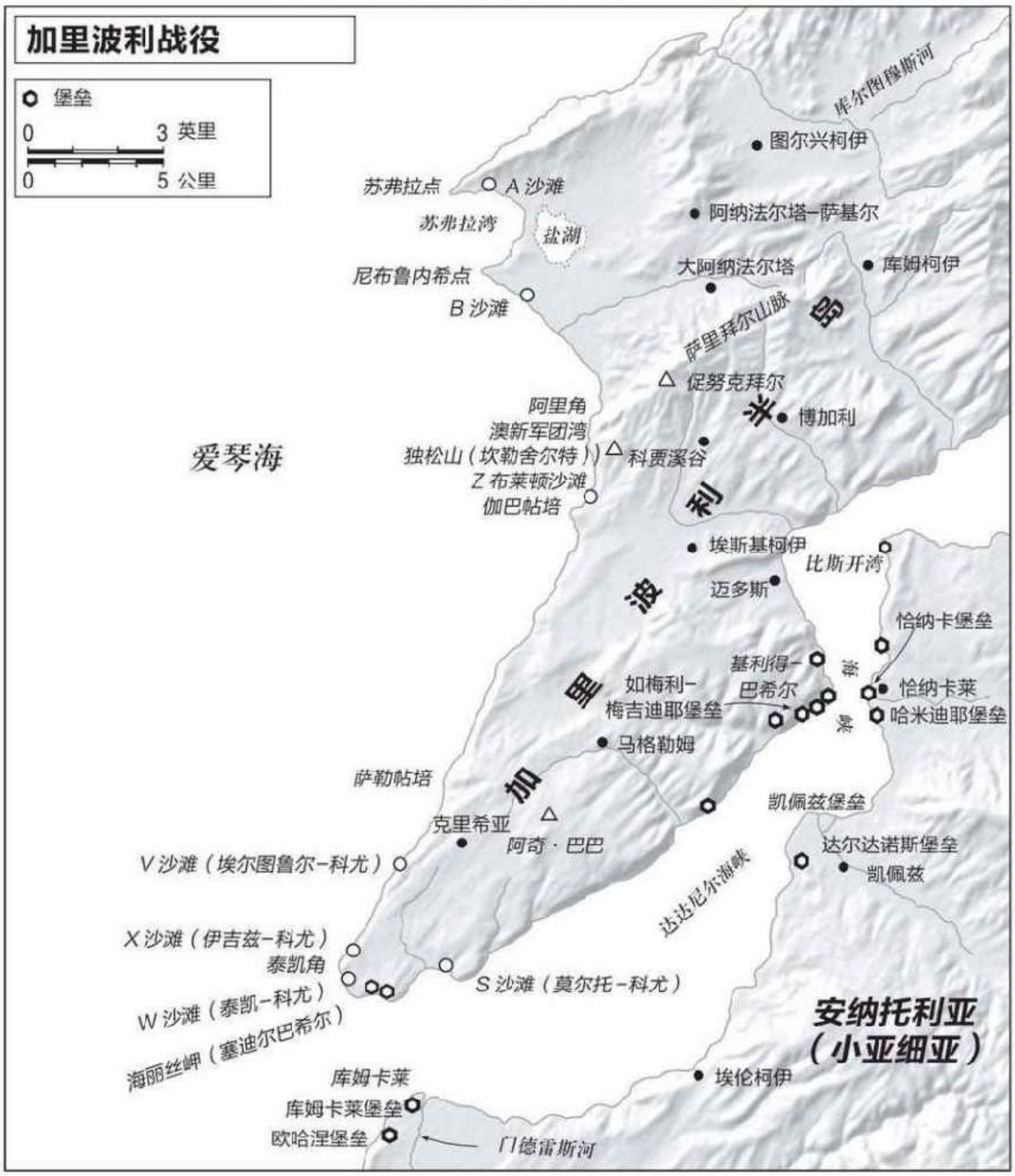
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加里波利战役
保加利亚
君士坦丁堡
（伊斯坦布尔）
马尔马拉海
埃内兹
萨莫色雷斯岛
1915年
8月6日
萨罗斯湾
布莱
加里波利（盖利博卢）
爱琴海
伊姆罗兹岛
恰纳卡莱
1915年4月25日
奥斯曼帝国
利姆诺斯岛
忒涅多斯岛
英军登陆
澳新军团登陆
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盐湖
阿纳法尔塔-萨基尔
尼布鲁内希点
大阿纳法尔塔
库姆柯伊
B 沙滩
萨里拜尔山脉
促努克拜尔
阿里角
澳新军团湾
独松山（坎勒舍尔特）
科贾溪谷
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伽巴帖培
加里波利半岛
埃斯基柯伊
比斯开湾
迈多斯
恰纳卡堡垒
基利得-巴希尔
如梅利-梅吉迪耶堡垒
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海峡
马格勒姆
萨勒帖培
凯佩兹堡垒
克里希亚
阿奇·巴巴
达尔达诺斯堡垒
凯佩兹
V 沙滩（埃尔图鲁尔-科尤）
达达尼尔海峡
X 沙滩（伊吉兹-科尤）
泰凯角
S 沙滩（莫尔托-科尤）
W 沙滩（泰凯-科尤）
海丽丝岬（塞迪尔巴希尔）
安纳托利亚
（小亚细亚）
埃伦柯伊
库姆卡莱
库姆卡莱堡垒
欧哈涅堡垒
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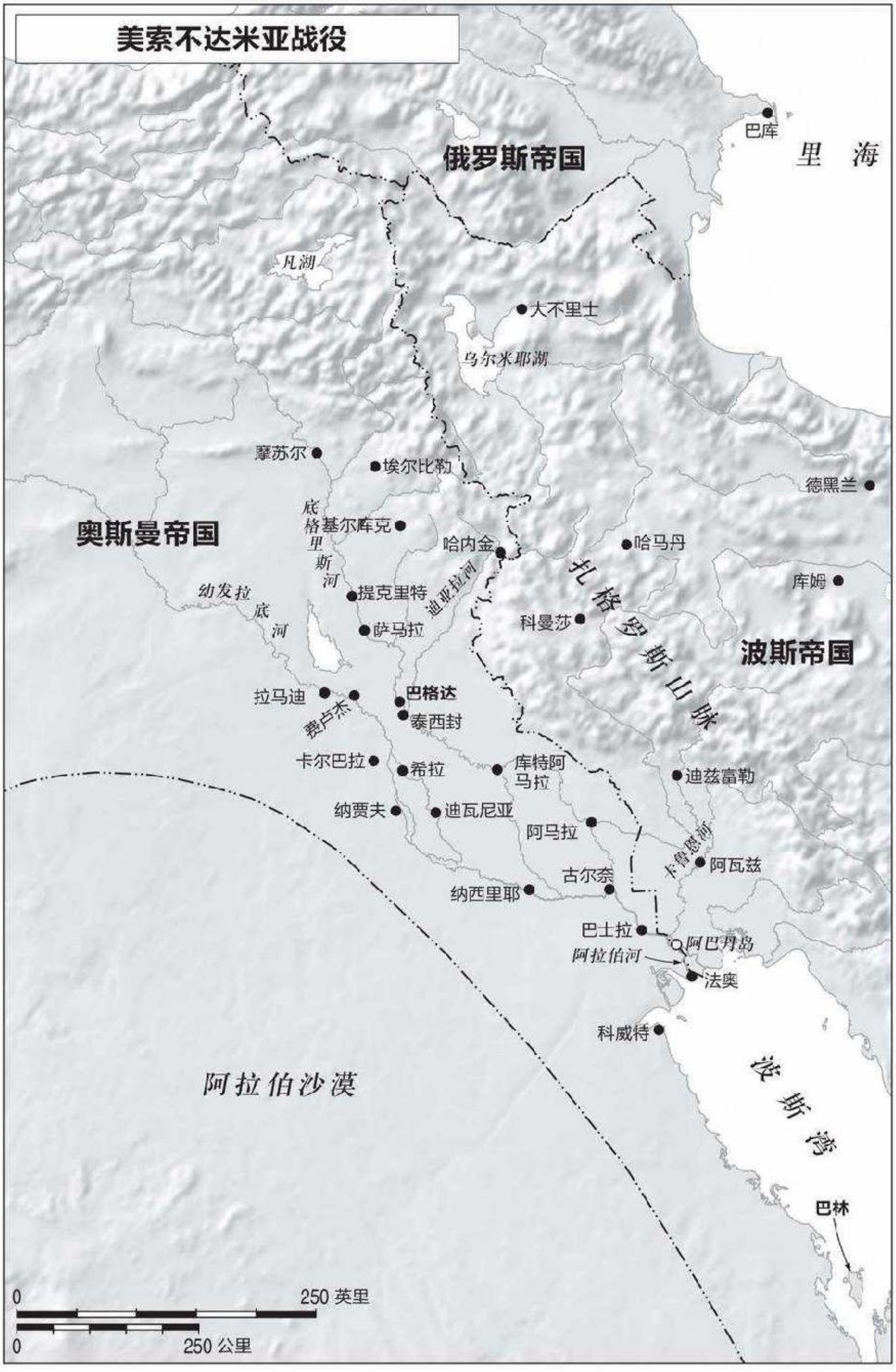
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埃尔比勒
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幼发拉底河
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费卢杰
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泰西封
卡尔巴拉
希拉
库特阿马拉
迪兹富勒
纳贾夫
迪瓦尼亚
阿马拉
卡鲁恩河
阿瓦兹
古尔奈
纳西里耶
巴士拉
阿巴丹岛
阿拉伯河
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埃尔祖鲁姆战役
黑海
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阿蒂纳
阿尔达汉
特拉布宗
里泽
乔鲁赫河
奥尔图
奥斯曼帝国
萨勒卡默什
巴什卡莱
巴伊布尔特
埃尔祖鲁姆
埃尔津詹
0 50 英里
0 50 公里
俄罗斯帝国
奥尔图河
托尔图姆湖
阿克山脉
锡夫里
卡拉山
约尔峰
奥斯曼帝国
卡尔辛
哈基尔·巴巴山
巴什肯特
巴什卡莱
居尔居-博加兹峡谷
科兹钱高地
克塞
马斯拉哈特
西利居尔高地（土耳其主要防线）
兹文
杜姆卢山
卡拉格贝克
卡尔加帕扎勒山
希萨尔·代雷
阿山
塔费特
卡伦代尔
厄尔蒂聚
乔班-代德
霍拉桑
据巴伊布尔特 80 英里
达兰格兹
阿拉斯
阿拉斯河流域
苏利温河
哈珊卡尔堡
克普吕柯伊
卡拉苏平原
乌尊艾哈迈德
伊利卡
代韦-博云
奥斯曼战略预备军（6000 人）
埃尔祖鲁姆
距埃尔津詹 98 英里
距锡瓦斯 230 英里
帕兰德肯山
土耳其防线
土耳其堡垒
主路
俄一奥（斯曼）边界线
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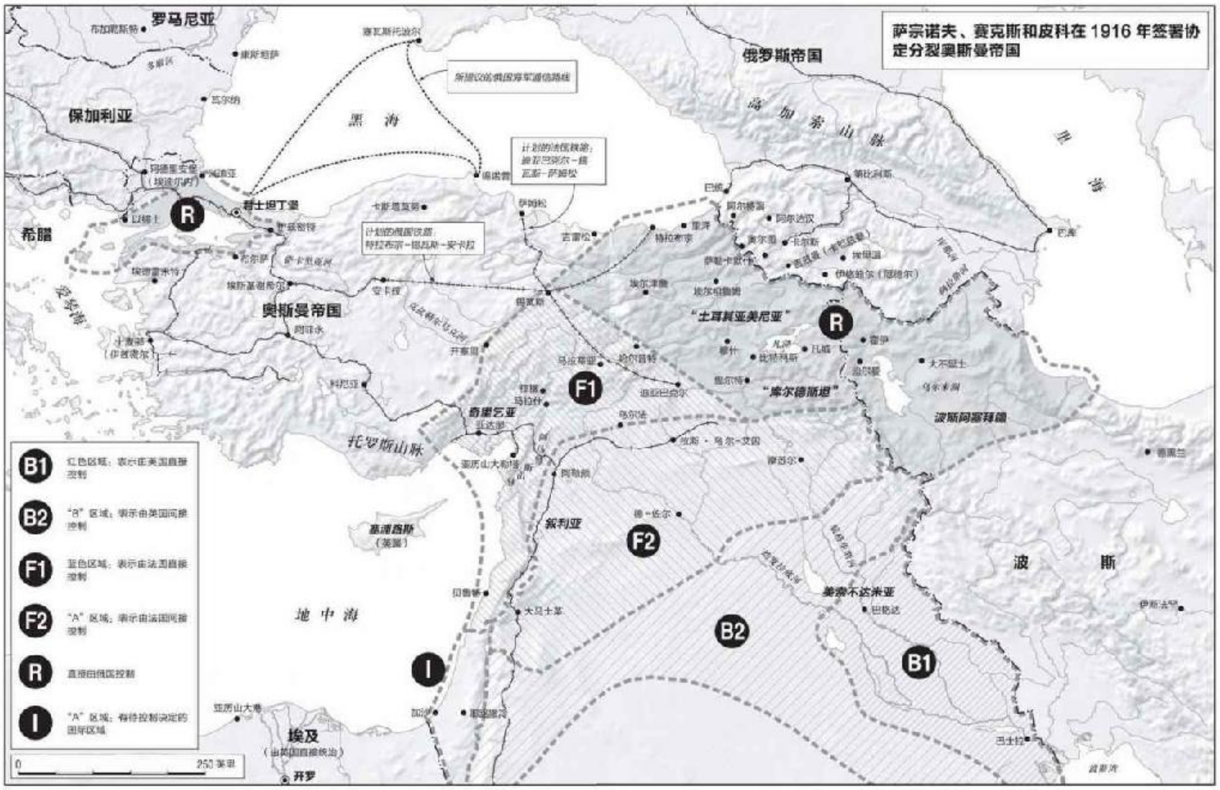
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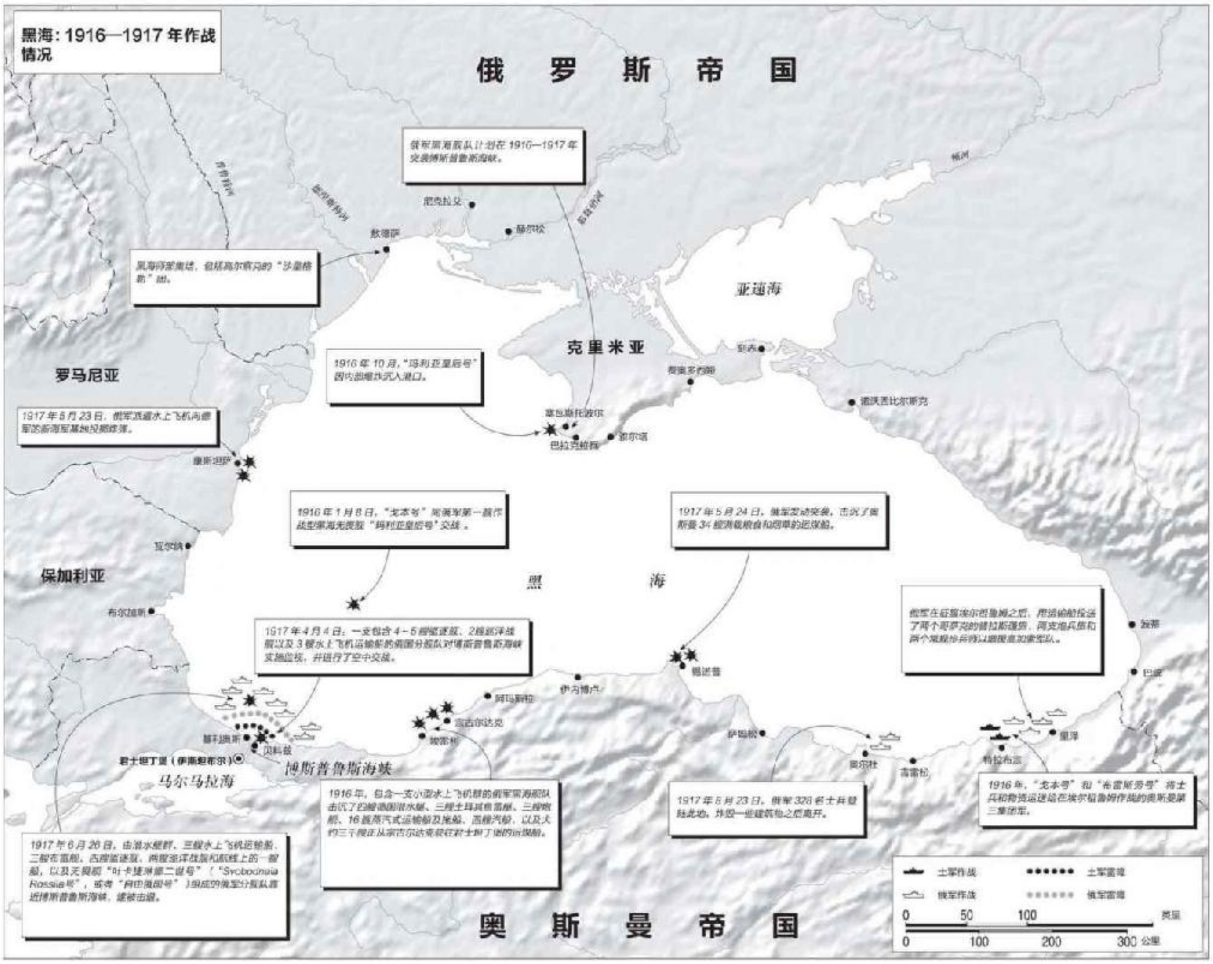
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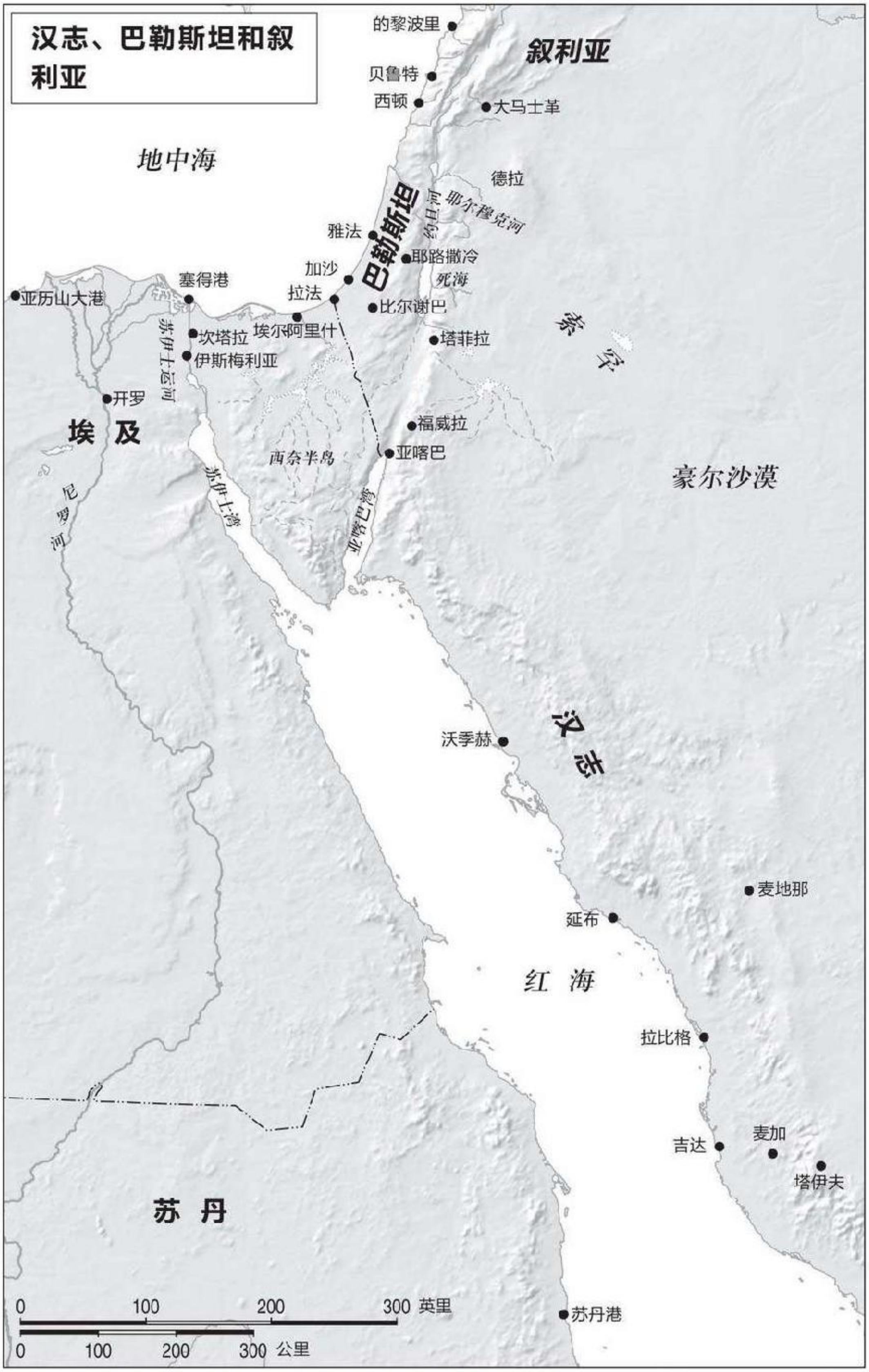
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的黎波里
叙利亚
贝鲁特
西顿
大马士革
地中海
德拉
巴勒斯坦
约旦河
耶尔穆克河
雅法
耶路撒冷
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塞得港
亚历山大港
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苏伊士运河
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开罗
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亚喀巴
西奈半岛
苏伊士湾
亚喀巴湾
尼罗河
豪尔沙漠
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延布
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拉比格
吉达
麦加
塔伊夫
苏丹
0 100 200 300 英里
0 100 200 300 公里
苏丹港

汉志、巴勒斯坦和叙利亚

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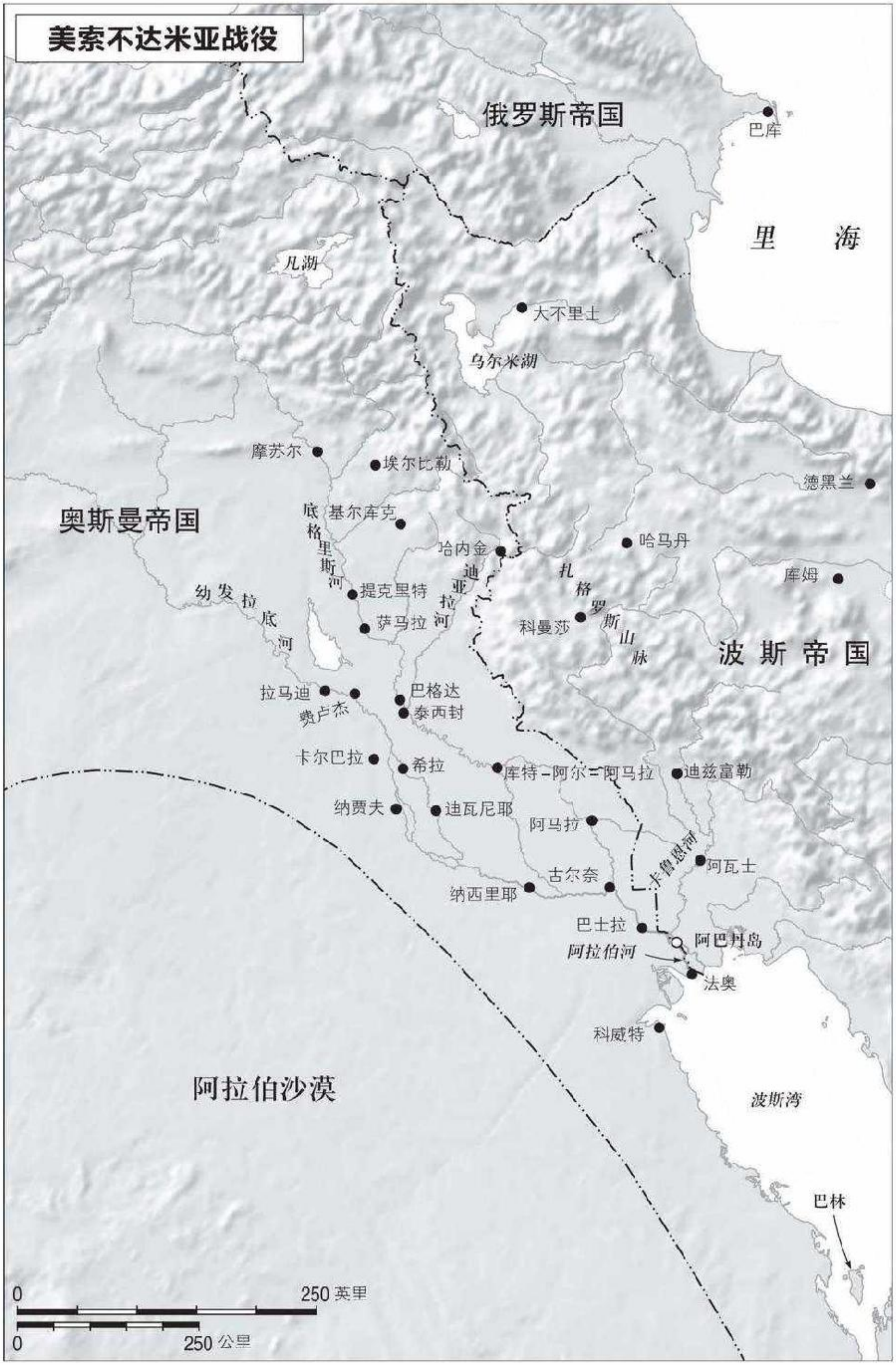
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埃尔比勒
德黑兰
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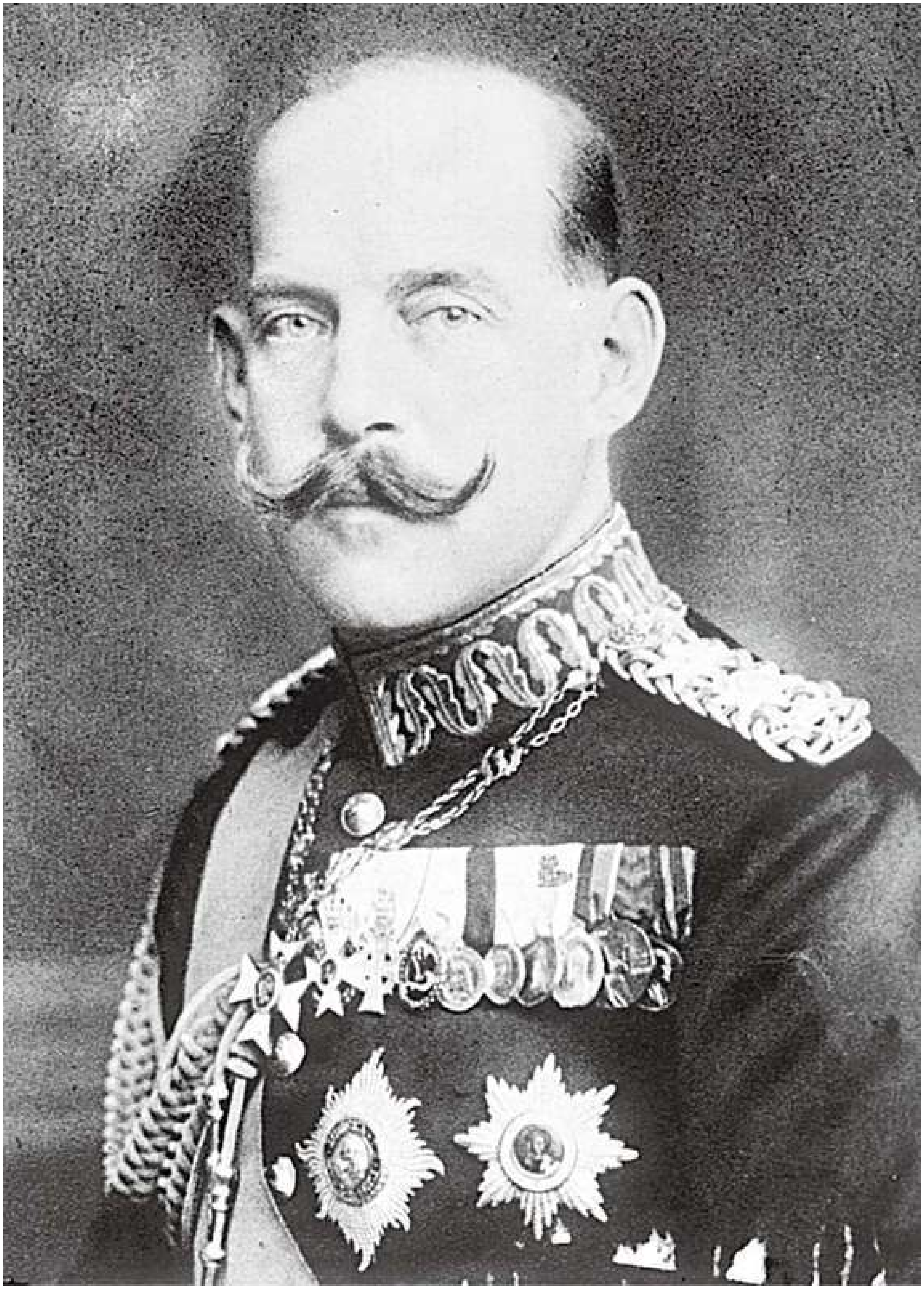




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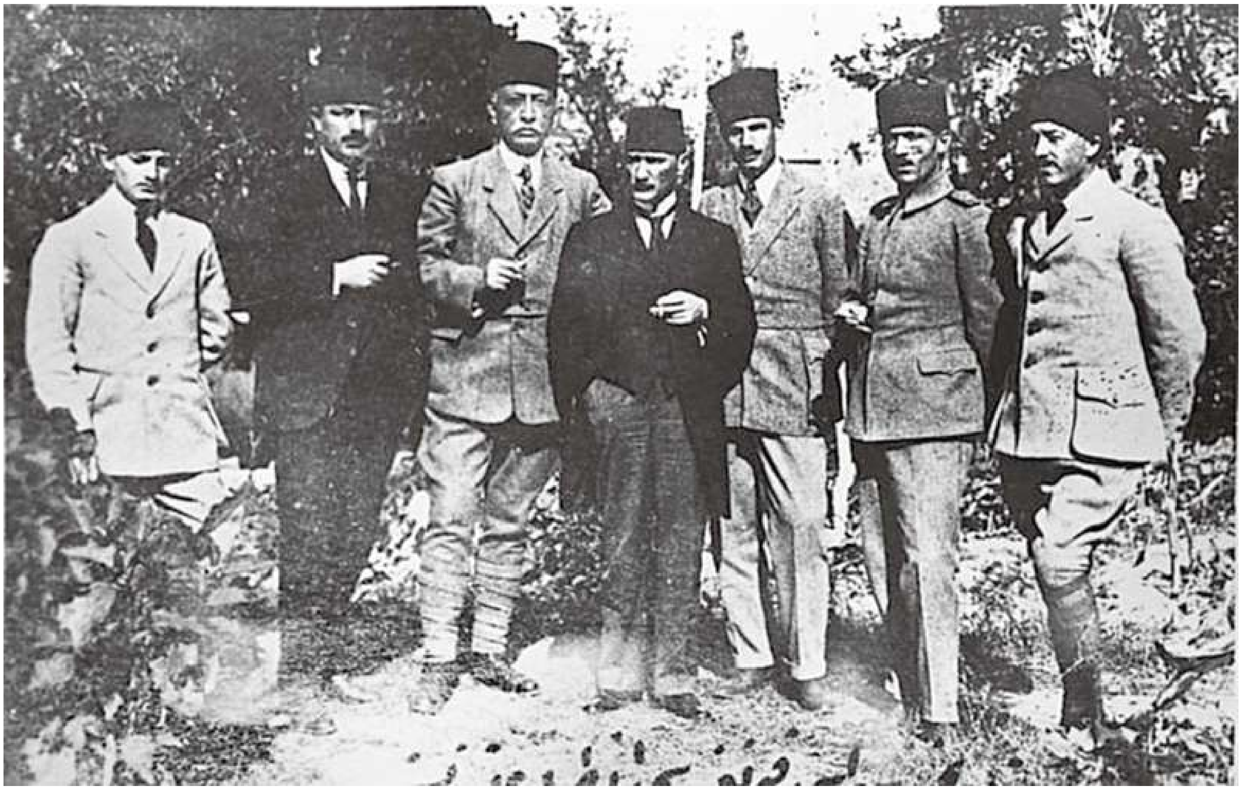
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1921□7□10□□□12.6□□□□□□□□□□12.2□□□□□□□□□□□□□410□□□□□□□160□□□□4 000□□□□□□□700□□□20□□□□□□□□4□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□——□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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[2] [illegible]4[illegible]22[illegible]

[3] [illegible]1919[illegible]·[illegible]·[illegible]Grigor Dsamoev[illegible]

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[6] [illegible]——[illegible]“[illegible]”[illegible]“[illegible]”

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[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]Richard Meinertzhagen[illegible]“[illegible]

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[5] [illegible]·[illegible]“[illegible]”[illegible]“[illegible]”

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——[illegible]·[illegible]Fridtjof Nansen[illegible]

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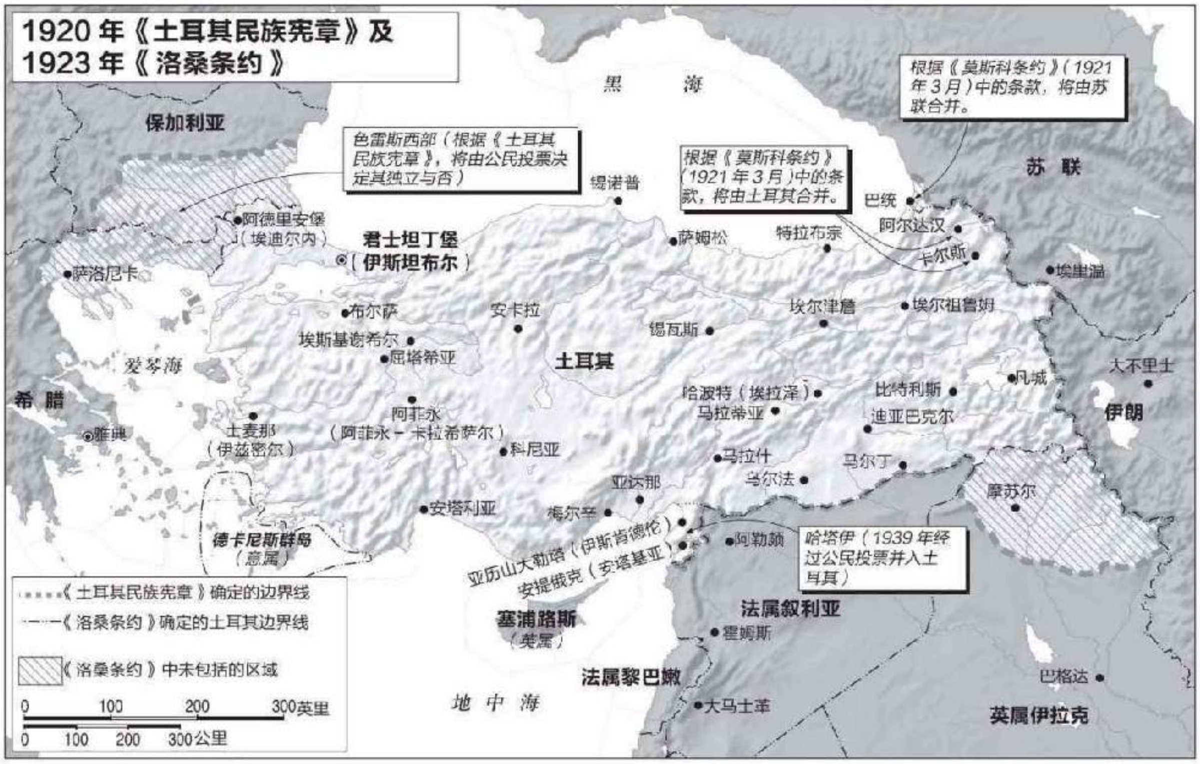
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1920年《土耳其民族宪章》及
1923年《洛桑条约》
黑 海
根据《莫斯科条约》(1921年3月)中的条款，将由苏联合并。
保加利亚
色雷斯西部（根据《土耳其民族宪章》，将由公民投票决定其独立与否）
锡诺普
根据《莫斯科条约》(1921年3月)中的条款，将由土耳其合并。
巴统
苏 联
阿尔达汉
阿德里安堡（埃迪尔内）
君士坦丁堡（伊斯坦布尔）
萨姆松
特拉布宗
卡尔斯
埃里温
萨洛尼卡
布尔萨
安卡拉
埃尔津詹
埃尔祖鲁姆
埃斯基谢希尔
屈塔希亚
锡瓦斯
土耳其
爱琴海
大不里士
希 腊
阿菲永（阿菲永－卡拉希萨尔）
哈波特（埃拉泽）
马拉蒂亚
比特利斯
凡城
伊朗
雅典
士麦那（伊兹密尔）
迪亚巴克尔
科尼亚
马拉什
乌尔法
马尔丁
亚沃那
摩苏尔
安塔利亚
梅尔辛
德卡尼斯群岛（意属）
亚历山大勒塔（伊斯肯德伦）
安提俄克（安塔基亚）
阿勒颇
哈塔伊（1939年经过公民投票并入土耳其）
《土耳其民族宪章》确定的边界线
《洛桑条约》确定的土耳其边界线
《洛桑条约》中未包括的区域
塞浦路斯（英属）
法属叙利亚
霍姆斯
0 100 200 300英里
0 100 200 300公里
法属黎巴嫩
地 中 海
大马士革
巴格达
英属伊拉克

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[illegible]——[illegible]“[illegible]”[illegible]·[illegible]Bruce Clark[illegible]“[illegible]——[illegible]……[illegible]”[illegible]“[illegible]”[illegible]20[illegible]1944[illegible]“[illegible]”[illegible]1943[illegible]·[illegible]·[illegible]1948[illegible]/[illegible]“[illegible]”[illegible]1989[illegible]1994[illegible]—[illegible][2]

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[illegible]1911—1923[illegible]5[illegible] [2]

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[illegible]1919——1922[illegible]——[illegible]——[illegible]1912—1913[illegible]1917—1918[illegible]1919—1922[illegible]

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[illegible]1920[illegible]“[illegible]1.4[illegible]200[illegible]9[illegible]1[illegible]”[7][illegible]·[illegible]——[illegible]1918[illegible]

[illegible]—[illegible]1914[illegible]——[illegible]“[illegible]”[illegible]——[illegible]——[illegible]——[illegible]—[illegible]——[illegible]

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[illegible]·[illegible]Ali Doğramaci[illegible]·[illegible]Umran Inan[illegible]·[illegible]Sami Gülgöz[illegible]·[illegible]Dilek Barlas[illegible]·[illegible]Yonca Köksal[illegible]·[illegible]Can Nacar[illegible]·[illegible]Aslı Niyazoğlu[illegible]·[illegible]Mark Baker[illegible]·[illegible]Alexis Rappas[illegible]·[illegible]Nur Yalman[illegible]·[illegible]Ömer Koç[illegible]Annandale-on-Hudson[illegible]Bard College[illegible]·[illegible]Leon Botstein[illegible]·[illegible]Michèle Dominy[illegible]——[illegible]·[illegible]Greg Moynahan[illegible]·[illegible]Richard Aldous[illegible]·[illegible]Mark Lytle[illegible]·[illegible]Omar Cheta[illegible]·[illegible]Miles Rodriguez[illegible]·[illegible]Tabetha Ewing[illegible]·[illegible]Christian Crouch[illegible]·[illegible]Carolyn Dewald[illegible]·[illegible]Myra Armstead[illegible]·[illegible]Alice Stroup[illegible]·[illegible]Drew Thomson[illegible]·[illegible]Gennady Shkliarevsky[illegible]——[illegible]

[illegible]2002[illegible]—[illegible]·[illegible]·[illegible]Ed Erickson[illegible]·[illegible]Mustafa Aksakal[illegible]*Ottoman Road to War*[illegible]1914[illegible]“[illegible]”[illegible]·[illegible]Mike Reynolds[illegible]*Shattering Empires*[illegible]—[illegible]·[illegible]Justin McCarthy[illegible]——[illegible]1915[illegible]

[illegible]——[illegible]·[illegible]Stanford Shaw[illegible]——[illegible]·[illegible]William Allen[illegible]·[illegible]Paul Muratoff[illegible]·[illegible]Scott Anderson[illegible]

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15 . □□□□Stanford□□□□□·□□□·□□Ezel Kural Shaw□□□□□□□□□□□□□□□□□History of the Ottoman Empire and Modern Turkey □□□2□221—225□□

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[21](). □□□□□□□□□□□□□□□□□184—185□□

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11 . □□□□□□□□□□*Sultan* □□254—255□□

12. [illegible]·[illegible]·[illegible]263—264[illegible]116—117[illegible]

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14. [illegible]130—131[illegible]

15. [illegible]102—103[illegible]

16. [illegible]Mango[illegible]67—68[illegible]

17. [illegible]74[illegible]

18. [illegible]Turfan[illegible]65—66[illegible]

19. [illegible]132—136[illegible]76—78[illegible]·[illegible]·[illegible]266—267[illegible]

20. [illegible]149[illegible]

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22. [illegible]144[illegible]

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24. [illegible]271—272[illegible]

25. [illegible]348—349[illegible]

26. [illegible]23—24[illegible]

27. [illegible]1909[illegible]4[illegible]13[illegible]PAAA[illegible]R 14160[illegible]*Journal of Contemporary History* [illegible]3[illegible]3[illegible]1968[illegible]7[illegible]29[illegible]280—281[illegible]

28 . [illegible]211—212[illegible]*Armenian Massacres in Ottoman Turky* [illegible]33[illegible]McMurray[illegible]*Distant Ties* [illegible]49[illegible]144—145[illegible]

29 . [illegible]—[illegible]69[illegible]73[illegible]

30 . [illegible]352[illegible]

31 . [illegible]282[illegible]

32 . [illegible]213[illegible]

33 . 1909[illegible]10[illegible]7[illegible]PAAA[illegible]R 14160[illegible]

34 . 1911[illegible]4[illegible]22[illegible]23[illegible]PAAA[illegible]R 14160[illegible]

35 . [illegible]24—30[illegible]

36 . 1914[illegible]1[illegible]11[illegible]BOA[illegible]HR-H 329[illegible]1915[illegible]5[illegible]7[illegible]1916[illegible]5[illegible]9[illegible]BOA[illegible]HR-H 336[illegible]

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1 . [illegible]1912[illegible]10[illegible]10[illegible]*Sydney Morning Herald* [illegible]

2 . [illegible]1913[illegible]5[illegible]30[illegible]Hurst[illegible]*Key Treaties for the Great Powers* [illegible]853[illegible]190[illegible]

3 . [illegible]14—15[illegible]

4 . [illegible]Albertini[illegible]“[illegible]”[illegible]*Origins of the War of 1914* [illegible]1[illegible]201[illegible]306—311[illegible]341[illegible]

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28 . [illegible]“[illegible]”[illegible]116[illegible]28[illegible]

29 . [illegible]404[illegible]

30 . 1914[illegible]7[illegible]23[illegible]/8[illegible]5[illegible]AVPRI[illegible]fond 151[illegible]opis’482[illegible]del’4068[illegible]list’10 and 13[illegible]

31 . 1914[illegible]8[illegible]9[illegible]nos. 48 and 49 in IBZI[illegible]vol. 6/1[illegible]127—130[illegible]

32 . [illegible]1914[illegible]7[illegible]27[illegible]/8[illegible]9[illegible]AVPRI[illegible]fond 151[illegible]opis’482[illegible]del’4068[illegible]list’29[illegible]and back[illegible]1914[illegible]8[illegible]9[illegible]29—30[illegible]181[illegible]

33 . [illegible]404[illegible]

34 . [illegible]1915[illegible]38[illegible]

35 . [illegible]184[illegible]126[illegible]*Ambassador Morgenthau ’s Story* [illegible]71[illegible]

36 . 1914[illegible]8[illegible]12[illegible]·[illegible]no.122,[illegible]*Asquith, Letters* [illegible]168[illegible]

37 . [illegible]1915[illegible]40[illegible]8[illegible]11[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]“[illegible]”[illegible]

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16 . 1914□9□7□□□□□□□□□□□□□□PAAA□R 21124□1914□9□ 4□□□□□□□□□□□□□□□□□□□□□□□□□□□BA/MA□RM 40/454□346—348□

17 . 1914□9□8□□□□□□□□□□□□□□□□PAAA□R 21124□1914□ 9□10□□□□□□□□□□□□□□□□□□□□150□□

18 . □□□□□□□□□□□□□□□□□37—38□□

19 . “Abschrift aus dem Kriegstagebuch der Mittelmeer-Division Souchon vom 2. VIII.14—31.V.15” □1914□9□14□□ BA/MA□RM 40/184□□□□□□

20 . 1914□9□15□□“Aus Unterredungen mit türkischen Vertrauensleuten”□BA/MA□RM 40/4□

21 . □□□□□□□□□□□□□□“□□”□□□□162□□

22 . “Abschrift aus dem Kriegstagebuch der Mittelmeer-Division Souchon vom 2. VIII.14—31.V.15” □1914□9□17□□ BA/MA□RM 40/4□

23 . □□□□□□□□□1915□□48—49□□

24 . □□□□1914□9□23□□□□□□□□□BA/MA□RM 40/4□116—118□□

25 . “Mitteilungen vom 21. 9. 1914,”□BA/MA□RM 40/4□127—128□□□□□□□□□□□□□□□□□□42—43□□

26 . “□□□9□□10□□□”□□□□□□□□□□□□“□—□□□□□□□□□□□□□ □□□”□□□□□□□“□□”□□□□□282□□

27 . 1914□8□11□□□□□□□□□□□□□□□□□□□□□□□□ *Tsarskaia Rossiia* □□1□17□□

28 . 1914□7□27□□□□□□□□□□□□□□□□□□□□□□□*Tsarskaia Rossiia* □□1□4—5□□1914□9□28□/10□11□□□□□□G. N.□□□□□□□Trubetskoi□□AVPRI□fond 151□opis’482□del’4068□224□□□□□□□□□Krivoshein□□□□□□□□□□□—□□□□□□117□□

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33 . □□□□□□1914□8□17□□□□□□□□□□□□66—67□□

34 . 1914□9□19□/10□2□□□9□27□/10□10□□□□□□□□□□□□AVPRI□fond 151□opis’482□del’4068□list’184□215□□□□□□□□□□□□□□□□□□□□“□□”□□□□

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36 . 1914□9□19□/10□2□□□□□□□□□□□□□□□□□

37 . 1914□10□17/19□□□□□□□□□□□□□AVPRI□fond 151□opis’82□del’4068□list’230□233□

38 . □□□“Besprechung mit Enver am 3. Oktober 1914”□BA/MA□RM 40/4□91—92□

39 . 1914□10□1□□□□□□□□□□□□□□□□□□□□□□□□□□“□□”□□□□167□□

40 . “Vertrauliche Mitteilungen vom 5. Oktober 1914”□BA/MA□RM 40/4□82□

41 . □□□□□□□□□□□□□□“□□”□□□172□□□□□□□□□“Besprechung mit Enver Pascha am 9. Oktober 1914”□BA/MA□RM 40/4□70—72□“Bericht über die Beratung beim Botschafter am 11.10.1914”□BA/MA□RM 40/4□61—63□

42 . 1914□10□19□20□25□□□□□□□□□□□□□□□1914□10□21□□□□□□□□□□□□□□□□AVPRI□fond 151□opis’482□del’4068□list’233□234□235□

43 . □□□“Besprechung mit Enver Pascha am 23. Oktober 1914”□BA/MA□RM 40/4□31—33□

44 . □□·□□□□□□□□□□□□□□□□□□□□□□□□□□□1914□10□25□□BA/MA□N 156—2□2□□□□□□□□□□□□□□□□□□□□□“□□”□□□176□□

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46 . □□□□□□□□□□□□□□□“□□”□□□180—181□□

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49 . 1914□10□20□/11□2□□□□□□□□□□□□□□□□□□□□□□□□□□□□fond 2000□opis’1□del’3796□list’192□

50 . □□Yasamee□□□□□□□□257—258□□

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[3](#) . □□□□□□□□□□□□□□□□1□541□□

[4](#) . □□□□□□□□□□□□□□□□□□□□□□□□□□□*Zusammenbruch des Ottomanischen Reiches* □105□□□□□□□□□□□□□□□□□□□□□□□□□□3—4□□

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[6](#) . □□□·□□□□□PRO□ADM 137/204□16—22□□□□□□□□□□□□□□□□□□□□□□□□□□□—□□□□□□□207□□

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[11](#) . □□□□□□□□□□□□□□59—67□□

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[16](#) . □□□□□□□□□□□□□□□□54□□□□□□□□□□*Zusammenbruch* □103□□

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18 . 1913□3□7□□□□□□□□□□□□□□□□□□□□AVPRI□fond 180□opis’ 517/2□del’3573□list’38—39□and backs□□□□□□□□□□□□□□□□“□□”□□□□148—149□□

19 . 1914□8□18/31□□□□□□□□□□□□□□□□□□□□□□□□□RGVIA□fond 2000□opis’1□del’ 3851□list’12□and back□□13□

20 . □□□□□□□□□□□□□□□□□□1914□10□19□/11□1□□RGVIA□fond 2000□opis’1□del’3860□list’613—614□

21 . □□□□□□□□□□□□□□□□□□□□□□57□□□□□□□□□□□□□□□□□□□□□□□715□□

22 . 1914□12□20—21□□□□□□□“□□”Ahbisor□□□□□□

23 . □□□·□□·□□□□“23 Aralık 1914 Tarihi İçin Taaruz Emri”□□□□*Askerî Tarih Belgeleri Dergisi* □*30 ’ Uncu Tümen Sarıkamış Harekatî Ceridesi* □□□□1914□12□20□—1915□1□10□□□24□□

24 . □□□□□Stolitsa□□□□□□□□□□□□□□□□□□□1914□12□17/30□□□3□35□□□□□□□□1915□12□19□/1□1□□□3□31□□AVPRI□fond 151□opis’482□del’4113□12—14□□267—268□□

25 . □□□□□□□“□□”□□□□□58□□

26 . □□52—60□□□□□□□□□□□□□□722—728□□□□□□□□□□*Zusammenbruch* □103—104□□□□□□□□□□□□□□□□□□□249—277□□□□□□□□□□□□□□*Revue militaire française* □“L’opération de Sarakamych”□□□□□□105□nos.164—165□1935□2—3□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□·□□□□□□□box 1□□

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29 . □□□□*Mit den Türken zum Suezkanal* □78—80□88□□

30 . □□□□*Mit den Türken zum Suezkanal* □90□□

31 . 1915□2□2□□□□□□□□□□□□□□□□□□□□□□5□□□□□□□□□□□□
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35 . 1915□2□18□□□□□□□□□□□□□□□PRO□WO 33/731□

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10 . 1914□12□18□□□□□□□“□□□□□□□□□□□”□□□□□□□□□□□□□BA/MA□RM40—41.

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13 . 1915□1□13□□□□□·□□□□□□□□□□□□□□□□□□□□□□□□□□□□□2□103—104□□□□□□“□□□”□□□□□□□□□□□□□23□□nn.44—47□

14 . □□□□□□□□□1915□□85□□□□□□□□□□□□□□□□□□□□

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16 . □□□□nn.21—22□□□□□□□□□□□□□□□□□□□□—□□□□□□□130—132□□

17 . 1915□2□3—4□□□□□□□□□□no.288□□□□□□□□□□□□·□□□□□□□□414□□

18 . 1915□1□7□□□□□□□□□□□□□□□□□□□□□□□23□□nn.49□51□□□□□□□□□□□□“□□□”□□□□□□□□□□□□□□□□□□□□□2□93□□

19 . □□□□□□□□□□□□□□□□□□□□□□104—105□□

20 . 1915□2□17□□□□□□□□□□□□□□□□□□□□□□□26□□n.30□

21 . □□□□□□□□□□□25□□nn.9□10□□□□□□□□□□

22 . □□□□□24□□n.10□

23 . □□□□□□□□□□□□□□□□2/7/15—5/9/17□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□PRO□ADM 116/1437B□

24 . □□□□□□□□“*Sud ’ ba Bosforskoi ekspeditsii* ”□205□210□□□□□□□□□□—□□□□□□□□□□□□□□□□□□25□□n.14□□□□□□□□□□□□□□□□□□“□□”□□□□131—134□□□□□□□□□□2□17□□□□□□□□□□□□□□□□“□□”□□□□□□316□□

25 . 1915□1□7/20□□□□□□□□□□□□□□□□□□□□□□□□□□□KP□vol. 2□129—130□

26 . □□□□□□□□□□□□□□□□□□□□133□□□□“□□□□□□□□□□”□1915□2□19□□□□□□□□□□□□□□□□□□□26□□n.36□

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29 . [illegible]“[illegible]”[illegible]PRO[illegible]ADM 116/3491[illegible]1915[illegible]1[illegible]13[illegible]26[illegible]nn.27[illegible]28[illegible]1[illegible]28[illegible]

30 . [illegible]·[illegible]PRO[illegible]ADM 116/1437B[illegible]·[illegible]30[illegible]n.14[illegible]

31 . [illegible]30[illegible]nn.1—3[illegible]

32 . “[illegible]”[illegible]PRO[illegible]ADM 116/1437B[illegible]

33 . “[illegible]”[illegible]PRO[illegible]ADM 116/1437B[illegible]

34 . 1915[illegible]2[illegible]21[illegible]“[illegible]”[illegible]BA/MA[illegible]RM40—1[illegible]1915[illegible]87—88[illegible]

35 . 1915[illegible]2[illegible]10/23[illegible]1915[illegible]2[illegible]12/25[illegible]1915[illegible]2[illegible]15/28[illegible]2[illegible]28[illegible]/3[illegible]1[illegible]AVPRI[illegible]fond 138[illegible]opis’467[illegible]del’472/492[illegible]list’2[illegible]5[illegible]7[illegible]10—11[illegible]“*Sud ’ ba Bosforskoi ekspeditsii* ”[illegible]212—213[illegible]

36 . 1915[illegible]2[illegible]28[illegible]3[illegible]1[illegible]3[illegible]30[illegible]nn.19[illegible]28[illegible]32[illegible]

37 . [illegible]“*Sud ’ ba Bosforskoi ekspeditsii* ”[illegible]213[illegible]1915[illegible]3[illegible]30[illegible]n.40[illegible]

38 . 1915[illegible]3[illegible]6[illegible]2[illegible]205[illegible]

39 . [illegible]1915[illegible]3[illegible]6[illegible]·[illegible]460[illegible]

40 . 1915[illegible]3[illegible]4[illegible]5[illegible]6[illegible]·[illegible]·[illegible]Nicholas de Basily[illegible]box 9[illegible]

41 . 1915□3□17□□□□□□“□□□□□□□□□□”□□□□□□□□□□□□BA/MA□RM40—41□

42 . □□□□□□□□□□□□□□□□□2□206—208□□□□□·□□□□□□□□□□1915□□25—27□□□□□□□□□□□□1915□□89□□

43 . □□□□□□□□□□□□□□□□□□□□□□□□1915□2□20□/3□5□□□□□□□□□1915□3□3/16□□□□□□□□□AVPRI□fond 138□opis’467□del’476/496□list’46□58□

44 . 1915□3□1□□5□□□□□□□□□□□□□□□□□□AVPRI□fond 138□opis’467□del’476/496□list’32□and back□□38□

45 . 1915□2□17□/3□2□□□□□□□□□□□□□□1915□2□18□/3□3□□□□□□□□□□□□□□□□□□□AVPRI□fond 138□opis’467□del’477□list’3 and 4.

46 . 1915□3□4□□□□□□□□□□□□□□□□no.XVI in RAT□118—119□

47 . 1915□3□5□6□□□□□□□□□□□□□□□□□□□□□□□□

48 . 1915□2□22□/3□7□□□□□□□□□□□□□□□□□AVPRI□fond 138□opis’467□del’477□list’6□

49 . 1915□3□8□□□□□□□□□□□□□□□□□no. XX in RAT□122—123□

50 . 1915□2□27□/3□12□□□□□□□□□□□□□1915□2□28□/3□13□□□□□□□□□□□□AVPRI□fond 138□opis’467□del’477□list’7 and 8□□□□□□□□□1915□4□10□□□□□□□□□□□□□□“□□□□”□no. XXXVII in RAT□134□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□138□□□□□□□1915□3□10□□□□□□□□□□□□□□·□□□□□□□□469□□

51 . 1915□3□11□14□15□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□2□220—221□□□·□□□□□□□□□□□□□□□□□□□1915□□28□□

52 . 1915□3□12□□□2□209—210□□□□1915□3□10□□□□□□□□□47600□□□□□“□

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53 . “[illegible]”[illegible]PRO[illegible]ADM 116/1437B[illegible]

54 . [illegible]30[illegible]no.16[illegible]

55 . 1915[illegible]3[illegible]13[illegible]“[illegible]M. P. A.[illegible]”[illegible]ADM 116/3491[illegible]

56 . “[illegible]”[illegible]PRO[illegible]ADM 116/1437B[illegible]*Zusammenbruch* [illegible]120[illegible]

57 . [illegible]2[illegible]223—224[illegible]

58 . 1915[illegible]3[illegible]17[illegible]“[illegible]”[illegible]BA/MA[illegible]RM 40—41[illegible]

59 . 1915[illegible]3[illegible]19[illegible]·[illegible]·[illegible]·[illegible]PRO[illegible]WO 106/1465[illegible]

60 . [illegible]1915[illegible]3[illegible]18[illegible]·[illegible]2[illegible]233—234[illegible]1915[illegible]64—69[illegible]—[illegible]1915[illegible]3[illegible]23[illegible]BA/MA[illegible]RM 40—41[illegible]19—21[illegible]

61 . 1915[illegible]3[illegible]18[illegible]·[illegible]1915[illegible]3[illegible]20[illegible]23[illegible]·[illegible]2[illegible]233—238[illegible]1915[illegible]69[illegible]152—153[illegible]1915[illegible]320[illegible]n.28[illegible]

62 . 1915[illegible]3[illegible]23[illegible]“[illegible]”[illegible]BA/MA[illegible]RM 40—41[illegible]1915[illegible]94[illegible]26—27[illegible]1915[illegible]36—37[illegible]

63 . [illegible]1915[illegible]93[illegible]·[illegible]·[illegible]1915[illegible]3[illegible]19[illegible]

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[1] . “1915□4□25—26□□□□□□□□□□□□□·□·□□□□□”□PRO□ADM 116/3491□

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[4] . 1915□3□22□□“□□□□□□□”□□□□□□□□□□□□□□□□□□□1915□□39—42□□□□□□□□□□□□□□□□□□□□□57□□

[5] . □□□□□□□□□□□*Zusammenbruch* □125□□

[6] . □□□□□□□□□“*Sud’ba Bosforskoi ekspeditsii* ”□216□□

[7] . 1915□4□23□□□□□□□□□□□□□□□□□□□□□□□□□□

[8] . □□□□□□□□□*Zusammenbruch* □127□□

[9] . 1915□3□26□/4□8□□□□□□□□□□□□□□□□□□□AVPRI□fond 138□opis’467□del’472□53□□□□“□□□□”□1915□4□□□□□□□□□□□□□□“*Sud’ba Bosforskoi ekspeditsii* ”□218□□

[10] . □□□□□□□□□□□□□61—62□□□□□□□□□□□□□□□□□□□□□□□1915□□102□□

[11] . 1915□4□20□□□□□□·□□□□□□□□□□□□□□□□□□□□□□□□1915□□48—49□□1915□4□23□□□□□□□□□□□□□□□□□□□□□□□□□□□

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17 . 1915□4□5/18□7/20□□□□□□□□□□□□□□·□□□□“□□”□□□□□□□□AVPRI□fond 138□opis’467□del’472□list’57 and 59□

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19 . □□□□“1915□4□25—26□□□□□□□□□□□□□·M.□·□□□□”□PRO□ADM 116/3491□

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22 . “1915□4□25—26□□□□□□□□□□□□□□·M.□·□□□□□”□PRO□ADM 116/3491□

23 . □□□□□□□□□□□□□70□□

24 . “□□Teke□W□□”□“□□Ertugrul□□V□”□□□*Birinci Dunya Savaşı’nda Çanakkale Cephesi* □ 25 Nisan 1915—1904 Hazıran 1915□□□5□150—154□□

25 . “□□Ikiz□V□□□□”□□□□155□□

26 . □□□□□□□□□□□□□□□□□□76□□

27 . □□□□□□□□□□1915□□145—146□□

28 . □□□□□□□□□□1915□□75—78□□□□□□□□□□□□□□□□□□□□□1915□□110—111□□

29 . □□□□□□□□□□□□1915□□85□□

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32 . [illegible]·[illegible]71—73[illegible]1915[illegible]

33 . 1915[illegible]3[illegible]31[illegible]1915[illegible]2[illegible]3[illegible]3[illegible]4[illegible]3[illegible]16[illegible]BA/MA[illegible]RM 40/454[illegible]

34 . 1915[illegible]3[illegible]29[illegible]3[illegible]31[illegible]4[illegible]11[illegible]BA/MA[illegible]RM 40/454[illegible]“*Sud’ba Bosforskoi ekspeditsii* ”[illegible]218[illegible]“[illegible]”[illegible]319[illegible]

35 . 1915[illegible]4[illegible]12/25[illegible]Sera fimov[illegible]AVPRI[illegible]fond 138[illegible]opis’467[illegible]del’472[illegible]list’ 60[illegible]“[illegible]”[illegible]“[illegible]”[illegible]4[illegible]25[illegible]·[illegible]*Die Russische Flotte im Ersten Weltkrieg* [illegible]49[illegible]

36 . 1915[illegible]4[illegible]20[illegible]/5[illegible]3[illegible]Man’kovskii[illegible]AVPRI[illegible]fond 138[illegible]opis’467[illegible]del’472[illegible]list’61[illegible]“*Sud’ba Bosforskoi ekspeditsii* ”[illegible]218[illegible]“[illegible]”[illegible]326[illegible]5[illegible]3[illegible]5[illegible]2[illegible]*Russische Flotte im Ersten Weltkrieg* [illegible]“[illegible]”[illegible]

37 . 1915[illegible]5[illegible]4[illegible]6[illegible]BA/MA[illegible]RM 40/454[illegible]“[illegible]”[illegible]1915[illegible]5[illegible]23[illegible]BA/MA[illegible]RM 40/1[illegible]

38 . 1915[illegible]5[illegible]2/15[illegible]AVPRI[illegible]fond 138[illegible]opis’467[illegible]del’472[illegible]list’67[illegible]

39 . 1915[illegible]4[illegible]30[illegible]/5[illegible]13[illegible]AVPRI[illegible]fond 138[illegible]opis’467[illegible]del’472[illegible]

40 . [illegible]1915[illegible]153—154[illegible]

41 . 1915□5□10□□□·□□□□□□□□□□□□□□□□□□□□□□□□2□350—351□□

42 . □□□□□□□□□□1915□□225□□□□□□□□□□□□□□□□□□□·□□□□□□Hikmet Özdemir□□□□□□□□1914—1918□□□□□□□□□□□□□□“□□□□□□”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□·□·□□□□□□□□□□□□□□□□□63□□

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3 . 1915□1□30□□□□□□□□□□□□□□□□PAAA□R 21035□□□□□□□□□□□□□□□□□□□□□□□□□289□296—297□□

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5 . 1913□3□18□/31□□3□25□/4□7□□□□□□□□□□□□□□□□□□□□AVPRI□fond 180□opis’517—522□del’3573□list’53—55□85□

6 . 1914□1□10□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□184—185□□

7 . □□□□□□□□□□□□□□□□299□□n.1□

8 . □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1915□4□□ATASE□528—2061□21□1—18□□□□□□□TCGB□*Arşiv Belgeleriyle Ermeni Faaliyetleri 1914—1918*□□1□□□114□□□□□

9 . □□□

10 . 1914□10□19/11□1□□□□□□□□□□□□□□□□□□□□□□RGVIA□fond 2000□opis’1□del’3860□list’613—614□□□□□□□□□□□□□□□□□□□□□□□□162—163□□

11 . 1914□12□4/17□□Gul’kevich□□□□□□—□□□□□□□□□□□□□
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12 . 1915□2□7/20□□□□□□—□□□□□□□□□□□□□□□□□□□□□□□
RGVIA□fond 2000□opis’1□del’3851□list’82□

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14 . 1915□3□28□/4□10□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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2000□opis’1□del’3851□list’93—94□

15 . □□□□□□□□□□□□□□□□□□162—166□□179—181□□□□□□□
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16 . □□□□□□□□□□□□□□□□□□□□□□□196—197□□

17 . 1915□4□23□/5□6□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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18 . □□□□□□□□□□□□□□269—270□□

19 . □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□,209□□

20 . “Vozstanie v’Vane”□□*Russkoe Slovo*□no.141□1915□
6□20□/7□3□□□□□□AVPRI□fond 151□opis’482□del’3505□list’7
—8□

21 . □□□□□□□Manukian□□□□□□□□□□□□□□□□—□□□□□“□□□□□
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opis’482□del’3505□list’6□

22 . 1915□9□30□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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92□□□□□□□□□□□□□□□□□□□□□166—167□□□□□□□□□□□□□□□□□□□

[illegible]“1500[illegible]”[illegible]

24. [illegible]——“[illegible]”[illegible]——[illegible]1915[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1915[illegible]4—5[illegible]/[illegible]

25. [illegible]185—189[illegible]4[illegible]24[illegible]ATASE[illegible]BDH 401—1580[illegible]1—3[illegible]TCGB[illegible]*Arşiv Belgeleriyle Ermeni Faaliyetleri 1914—1918*[illegible]1[illegible]127—129[illegible]—[illegible]251[illegible]n.50[illegible]

26. [illegible]189[illegible]

27. [illegible]189[illegible]

28. 1915[illegible]5[illegible]31[illegible]“[illegible]”[illegible]“[illegible]”[illegible]ATASE[illegible]BDH 361—1445[illegible]1—4[illegible]TCGB[illegible]*Arşiv Belgeleriyle Ermeni Faaliyetleri 1914—1918*[illegible]1[illegible]131—137[illegible]—[illegible]152[illegible]—[illegible]

29. [illegible]“[illegible]”[illegible]2[illegible]1061—1062[illegible]89[illegible]124—125[illegible]—[illegible]254—258[illegible]

30. [illegible]272—273[illegible]163[illegible]

31. [illegible]1[illegible]58—59[illegible]

32. [illegible]1915[illegible]9[illegible]16[illegible]PAAA[illegible]R13531[illegible]184[illegible]

33 . [illegible]287[illegible]

34 . [illegible]152[illegible]

35 . [illegible]150[illegible]“[illegible]”[illegible]2005[illegible]·[illegible]642000[illegible]175[illegible]37%[illegible]2010[illegible]·[illegible]664000[illegible]151[illegible]150[illegible]45%[illegible]150[illegible]——[illegible]·[illegible]141[illegible]·[illegible]183[illegible]80[illegible]“[illegible]”[illegible]TCGB[illegible]*Arşiv Belgeleriyle Ermeni Faaliyetleri 1914—1918* [illegible]1[illegible]159[illegible]

[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]2008[illegible]8[illegible]28[illegible]2[illegible]“[illegible]”[illegible]243[illegible]n.56[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Suny[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]154—155[illegible]1914—1921[illegible]40%[illegible]62%[illegible]45%[illegible]·[illegible]Grigoris Balakian[illegible]“[illegible]—[illegible]”[illegible]“[illegible]”[illegible]

36 . □□□□□□□□□□□□□□□□302—310□□

37 . □□□□□□□□□□—□□□□□□□248□□

38 . □□□□□□□□□□□□140□□

39 . □□□□□□□□□□□□□□□□159□□

40 . 1915□2□7/20□□□□□□—□□□□□□□□□□□□□□□□□□□□□□□□□
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41 . □□□□□□□□□□□□□□□105□□

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43 . 1915□7□14□□16□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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44 . 1915□7□24□□□□□□□□□□□□□□□·□□□□□□□□□□□□□□□□□□·□
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45 . 1915□9□24□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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1 . 1915□8□17□□□□□□□□□□□□□□□PRO□WO 32/5119□

2 . 1915□6□18□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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3 . □□□

4 . 1915□6□11□□12□□□□□□□□□□□□□□□□□1915□6□12□□□□□
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416—419□□□—□□□□□□□□□□□□1915□7□25□□□□□□□□□□□□□□□□□□□□□□□□□□□□RM 40—41□94□□□□□□□□□□□□79□□

5 . 1915□8□17□□□□□□□□□□□□□□□PRO□WO 32/5119□“□□□□□□□□□□□□”□□□□□□□□□□□□□1915□□248□

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7 . □□□□□□□□□□□89□□

8 . □□□□□□□□□□□□□□□□□□□□□139—166□□

9 . 1915□8□17□□□□□□□□□□□□□□□□□□□□□1915□8□18□□□□□□□□□□□PRO□WO 32/5119□□□□□□□□□□□□□□□□□1915□□189□□

10 . □□□□172—173□□

11 . □□□□□166□□□□□□161□□

12 . □□□□□□□□□□□□□□□□□□159—161□□

13 . □□□□□□□□□□□□□□□□□□□□□□□2□498□□

14 . □□□□□□□□□□□□□□□□□□175—192□□

15 . □□□□□□□□□□□□1915□□297□302□□

16 . 1915□10□5□□□□□□□□□□□□□□□□□□□□□□□□□□□□□507—510□□

17 . 1915□11□3□□□□□□□□□□□□□□□□□□□□□□□□□□□□□517—518□□

18 . □□□□□□□□□□□□□□□□□□□□□□□1915□□□□□□□□□□□□

19 . □□□□□□□□□□□□103□□“□□□□”□□□□□□□□□□□□□□1915□□180□□□□□□□□□□□□□□□□□□□□□□□□1914—1918□□114—115□□

20 . □□□□□□□□—□□□□□□□225—229□□

21 . [illegible]12[illegible]

22 . [illegible],[illegible]2[illegible]110[illegible]·[illegible]95—103[illegible]

23 . [illegible]107[illegible]123—124[illegible],[illegible]2[illegible]

24 . [illegible]97[illegible]81—82[illegible]

25 . [illegible],[illegible]2[illegible]109—119[illegible]

26 . [illegible]123—125[illegible]

27 . [illegible],[illegible]2[illegible]125—130[illegible]

28 . [illegible]133[illegible]137[illegible]143[illegible]

29 . [illegible],[illegible]2[illegible]157—166[illegible]

30 . [illegible],[illegible]2[illegible]“[illegible]”[illegible]112—114[illegible]

[illegible] [illegible]

1 . “Enver Paşa şöyle düşünüyordu,” [illegible] Mareşal Fevzi Çakmak [illegible] *Birinci Dünya Savaş* ı*n ’da Doğu Cephesi* ed. [illegible]“Dördüncü Konferans”[illegible]112[illegible]

2 . [illegible]“[illegible]”[illegible]

3 . [illegible]322—329[illegible]·[illegible]88—89[illegible]

4 . “Enver Paşa şöyle düşünüyordu”[illegible]

5 . □□□□□□□□□□□□121□□

6 . □□□□“Azap Yarmasi□Kroki-29□”□1916□1□12□□□□□□□“1915 Yili Sonunda Genel Durum”□*Birinci Dünya Savaş ın ’da Doğu Cephesi* □□□□□116□□

7 . □□□□□□□□□□□□□□□□□330—343□□□□□□□□□□□□□□□□□□□□*Birinci Dünya Savaşın ’da Doğu Cephes* □□□□□1916□1□12—16□□□□□116—117□□

8 . “Azap Yarmasi□Kroki-29□”□1916□1□16□□□□□□*Birinci Dünya Savaşın ’da Doğu Cephesi* □□□□□118□□“1915 Yili Sonunda Genel Durum”□□□

9 . □□□□□□□□□□□□124—125□□

10 . □□□□□□□□□□□□□□□□355—357□□

11 . □□□□357—363□□□□□□□□□□□□□□□□□□□□□□□“Ruslarin Erzurum’a Taarruzu Erzurum Müstahkem Mevkii□Kroki—31□”□□*Birinci Dünya Savaşın ’da Doğu Cephesi* □“1915 Yili Sonunda Genel Durum”□□□□□□□124□□□□□□□□□□□□□□□□□□□□□□□□□□“*Sud’ba Bosforskoi ekspeditsii* ”□232□□

12 . □□□□□□□□□□□□□□□□364—368□□

13 . □□□□368—372□□

14 . 1916□3□11□□□□□□□□□□□□□□·□□□□□□□□□□□□□□□□□□□□□□□1916□2□29/3□13□□□□□□□□□□□□□□□□□□□□1916□3□1/14□□□□nos. LXXV□LXXVII□*Razdel aziatskoi Turtsii* □157□160—161□□

15 . 1916□4□13/26□□□□□□□□□□□□□□□□□□□□□1916□4□26□□□□□□□□□□□□□□□□□nos. CLL□CIV□*Razdel aziatskoi Turtsii* □185—187□□□□□□□□—□□□□□□□□1916□5□15□□□□□□□□□□□□□□1916□5□16□□□□□□□□□□□□□□□□□□□□□□□□□□1919—1939□□□□□□□□□□□1□□□4□244—247□□

16 . [illegible]4[illegible]

17 . [illegible]Strelianov[illegible]*Korpus generala Baratova* [illegible]24[illegible]

18 . [illegible]243[illegible]213[illegible]

19 . [illegible]1918[illegible]6[illegible]10[illegible]box 3[illegible]

20 . Strelianov[illegible]*Korpus generala Baratova* [illegible]41—46[illegible]

21 . [illegible]237—248[illegible]4[illegible]

22 . [illegible]151[illegible]

23 . [illegible]252[illegible]

[illegible] [illegible]

1 . [illegible]J. B.[illegible]1915[illegible]4[illegible]8[illegible]M353,[illegible]6[illegible]

2 . [illegible]·[illegible]Snouck Hurgronje[illegible]*Revolt in Arabia* [illegible]43[illegible]

3 . [illegible]—[illegible]13[illegible]16[illegible]

4 . [illegible]—[illegible]15[illegible]

5 . [illegible]182[illegible]1915[illegible]76[illegible]

6 . [illegible]103—104[illegible]174[illegible]

7 . [illegible]Seidt[illegible]*Berlin Kabul Moskau* [illegible]81[illegible]

8 . 1915□4□24□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□*Compte rendu d’une séance politique* □MvO 1/19□□□□“Algerien□Afrika und Vorderer Orient. 1886—1941”□□□□

9 . □□□□

10 . □□□□□□□□□□□□□□□□□□□□□□□□Tamari□□□*Year of the Locust: A Soldier’s Diary and the Erasure of Palestine’s Ottoman Past* □□

11 . □□□□—□□□□*Compte rendu* □□□□□□“Besuch be idem Scherifen Fessal □Feisal□ in Bujukdere am 30. April 1915”□MvO1/19□□□□“Algerien□Afrika und Vorderer Orient. 1886—1941”□□□□

12 . “Texte des instructions au Grand Chérif de Mecque remis à son fils Chérif Faïsal Bey par son Excellence Enver Pacha le 9 mai 1915”□□□□□□□“Besuch be idem Scherifen Fessal □Feisal□ in Bujukdere am 30. April 1915”□□□MvO1/19□□□□“Algerien□Afrika und Vorderer Orient. 1886—1941”□□□□

13 . □□□1916□7□12□□EJP□1/35□

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17 . 1916□6□□□□□—□□□□Woldd-Metternich□□□□□□□□□□□□□□□□□□□□PAAA□R 13571□

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20 . [illegible]*Kein Griff nach der Weltmacht* [illegible]223[illegible]297[illegible]1916[illegible]BOA[illegible]HR.SYS 2318—6[illegible]

21 . 1916[illegible]5[illegible]5[illegible]1918[illegible]7[illegible]16[illegible]El-Ula[illegible]PAAA[illegible]R 21142[illegible]178[illegible]

22 . 1916[illegible]6[illegible]1/14[illegible]Khogopian[illegible]1916[illegible]6[illegible]15/28[illegible]Bakherakt[illegible]AVPRI[illegible]fond 151[illegible]opis’482[illegible]del’4073[illegible]99—100[illegible]114[illegible]

23 . 1916[illegible]8[illegible]14[illegible]PAAA[illegible]R13753[illegible]

24 . [illegible]105—111[illegible]87—89[illegible]“[illegible]”[illegible]481109[illegible]129727[illegible]1919[illegible]2[illegible]——[illegible]“[illegible]”[illegible]98—99[illegible]——[illegible]“[illegible]”[illegible]1916—1917[illegible]

25 . [illegible]205—208[illegible]98—99[illegible]

26 . 1916[illegible]11[illegible]15[illegible]PAAA[illegible]R13753[illegible]

27 . [illegible]1916[illegible]6[illegible]3[illegible]27[illegible]1916[illegible]7[illegible]11[illegible]RGVIA[illegible]fond 2000[illegible]opis’1[illegible]del’3888[illegible]168[illegible]

28 . 1916[illegible]11[illegible]15[illegible]

29 . [illegible]*Zusammenbruch* [illegible]225[illegible]

30 . 1916[illegible]8[illegible]9[illegible]“Altinci Konferans”[illegible]*Birinci Dünya Savaş’ında Doğu Cephes* i[illegible]215—218[illegible]127—133[illegible]422—428[illegible]440[illegible]

31 . 1916□8□24□□□□□□□□□□□□□BA/MA□RM 40/215□□□□□□□□□□□□□□□*Zusammenbruch* □227□□□□□□□□□□□□□□153—155□□□□□□□□□□“□□”□□□□□107—108□□

32 . □□□□□□□□□□□□□□□□□430—435□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□137—141□□

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23 . 1917□□5□15/28□□□□□□“Rukovodiashchiia ukazaniia General’Komissaru oblastei Turtsii □zanyatyikh’ po pravu voinyi”□□□□□□□□□□□□□“□□□□□”□□□AVPRI□fond 151□opis’482□del’3481□list’ 81—82□

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9 . □□□□□□□□□□□164—165□□

10 . [illegible]283[illegible]

11 . [illegible]

12 . [illegible]—[illegible]303[illegible]

13 . [illegible]236[illegible]18[illegible]

14 . [illegible]4[illegible]337—342[illegible]1.1[illegible]*Zusammenbruch*[illegible]273[illegible]

15 . [illegible]4[illegible]343—359[illegible]

16 . [illegible]161—163[illegible]

17 . [illegible]373[illegible]

18 . [illegible]“Bor’ba v’ Persii vo vremenii Revoliutsii”[illegible]box3[illegible]*Zusammenbruch*[illegible]273[illegible]163—164[illegible]181—182[illegible]

19 . [illegible]311—323[illegible]—[illegible]26—27[illegible]n.26[illegible]

20 . [illegible]264[illegible]

21 . [illegible]328—338[illegible]

22 . 1917[illegible]7[illegible]19[illegible]PRO[illegible]WO 158/634[illegible]

23 . [illegible]312[illegible]223[illegible]1917[illegible]1[illegible]29[illegible]1917[illegible]7[illegible]18[illegible]1917[illegible]11[illegible]15[illegible]PRO[illegible]FO 371/3048[illegible]

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6. □□□□□□□□Zusammenbruch□329□□

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13 . 118—119174—175

14 . 19171217PAAAR 13755

15 . 175—176

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17 . *Brest-Litovsk Müzakereleri ve Barışı* 385—386390

18 . 1908—1918333

19 . ——165—166*Deutsche Ostpolitik* 20

20 . *Deutsche Ostpolitik* 21582—583

21 . 183

22 . 1915328NATEKOBA/MARM 40—251

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24 . ——152226—228

25 . *Deutsche Ostpolitik* 23—25

26 . 25—26

27 . 382

28 . 398—399

29 . *Deutsche Ostpolitik* 119—127586—587

30 . 1918□3□9□□□□□□□□□□□□□□□BA/MA□RM 40—251□

31 . 1918□4□6□□“Augenblicklichen Lage im Kaukasus”□BA/MA□RM 40/215□□□□□□□□□*Zusammenbruch*□335□□

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33 . 1918□3□28□□□□□□□□□□□□□□□□□□□□

34 . □□□□□1918□3□23/24□□□□□□□□□□□□□□□□□□BA/MA□RM 40—251□

35 . 1918□3□23□□□□□□□□□□□□□□□□1918□3□26□□□□□□□□□□□□□BA/MA□RM 40—251□

36 . 1918□4□14□□□□□□□□□□□□□□□□□□□□□□□□□□□BA/MA□RM 40—252□

37 . □□□□□*Deutsche Ostpolitik*□162□□

38 . □□□□124—129□□

39 . 1918□4□6□□“Augenblickliche Lage im Kaukasus”□□□□□□

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45 . □□□□□□□□*Zusammenbruch*□361—363□□□□□□□□□□□□□□186—187□□□□□□□□□□□□□□□□□476—478□□

46 . [illegible]227[illegible]*Zusammenbruch* [illegible]365[illegible]

47 . 1918[illegible]8[illegible]6[illegible]Heerestleitung[illegible]1918[illegible]8[illegible]24[illegible]BA/MA[illegible]RM 40—254[illegible]1918[illegible]8[illegible]19[illegible]“Rundreise im Asow-Meer”[illegible]BA/MA[illegible]RM 40—254[illegible]

48 . [illegible]*Deutsche Ostpolitik* [illegible]132—133[illegible]147[illegible]150[illegible]n.166[illegible]

49 . [illegible]109—117[illegible]142[illegible]“Niederschrift der Besprechung am 15. August zu Jeisk”[illegible]BA/MA[illegible]RM 40—254[illegible]

50 . [illegible]*Deutsche Ostpolitik* [illegible]194[illegible]n.80[illegible]1918[illegible]8[illegible]19[illegible]“Rundreise im Asow-Meer”[illegible]BA/MA[illegible]RM 40—254[illegible]

51 . [illegible]1908—1918[illegible]468—469[illegible]*Deutsche Ostpolitik* [illegible]200[illegible]

52 . [illegible]494—495[illegible]“[illegible]”[illegible]*Deutsche Ostpolitik* [illegible]204—205[illegible]70—73[illegible]83—84[illegible]103[illegible]23[illegible]1.2[illegible]3000[illegible]7[illegible]9[illegible]

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1 . [illegible]316[illegible]

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3 . [illegible]“[illegible]”[illegible]PRO[illegible]WO 106/1359[illegible]

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12 . □□□□□□□□□□□□□□269□□□□□□□□□□□*Zusammenbruch* □383—384□□□□□□□□□□□□□□179□□

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11 . □□□□□□□□□□□2□425□□

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25 . [illegible]81[illegible]

26 . 1916[illegible]9[illegible]25[illegible]“Les réfugiés Arméniens de Port Said”[illegible]“Armement des contingents irréguliers”[illegible]VSHD[illegible]7 N 2150[illegible]“Section d’Afrique. 1915—1918. Subventions aux corps de partisans d’Orient... Irréguliers[illegible]Arméniens[illegible]etc.”[illegible]

27 . [illegible]2[illegible]878—879[illegible]33—34[illegible]

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29 . [illegible]190—191[illegible]

30 . [illegible]—[illegible]77—78[illegible]1919[illegible]431—432[illegible]

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32 . [illegible]225—226[illegible]

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24 . 1922[illegible]9[illegible]2[illegible]7[illegible]4[illegible]1704—1706[illegible]

25 . 1922[illegible]9[illegible]9[illegible]J. G.[illegible]“[illegible]”[illegible]·[illegible]—[illegible]91—101[illegible]“[illegible]”[illegible]318[illegible]

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28 . [illegible]—[illegible]308—311[illegible]215—218[illegible]

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30 . [illegible]346[illegible]223—224[illegible]——[illegible]

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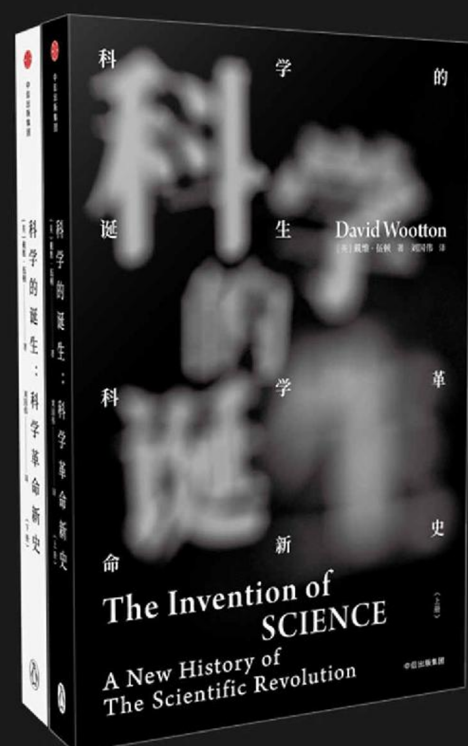
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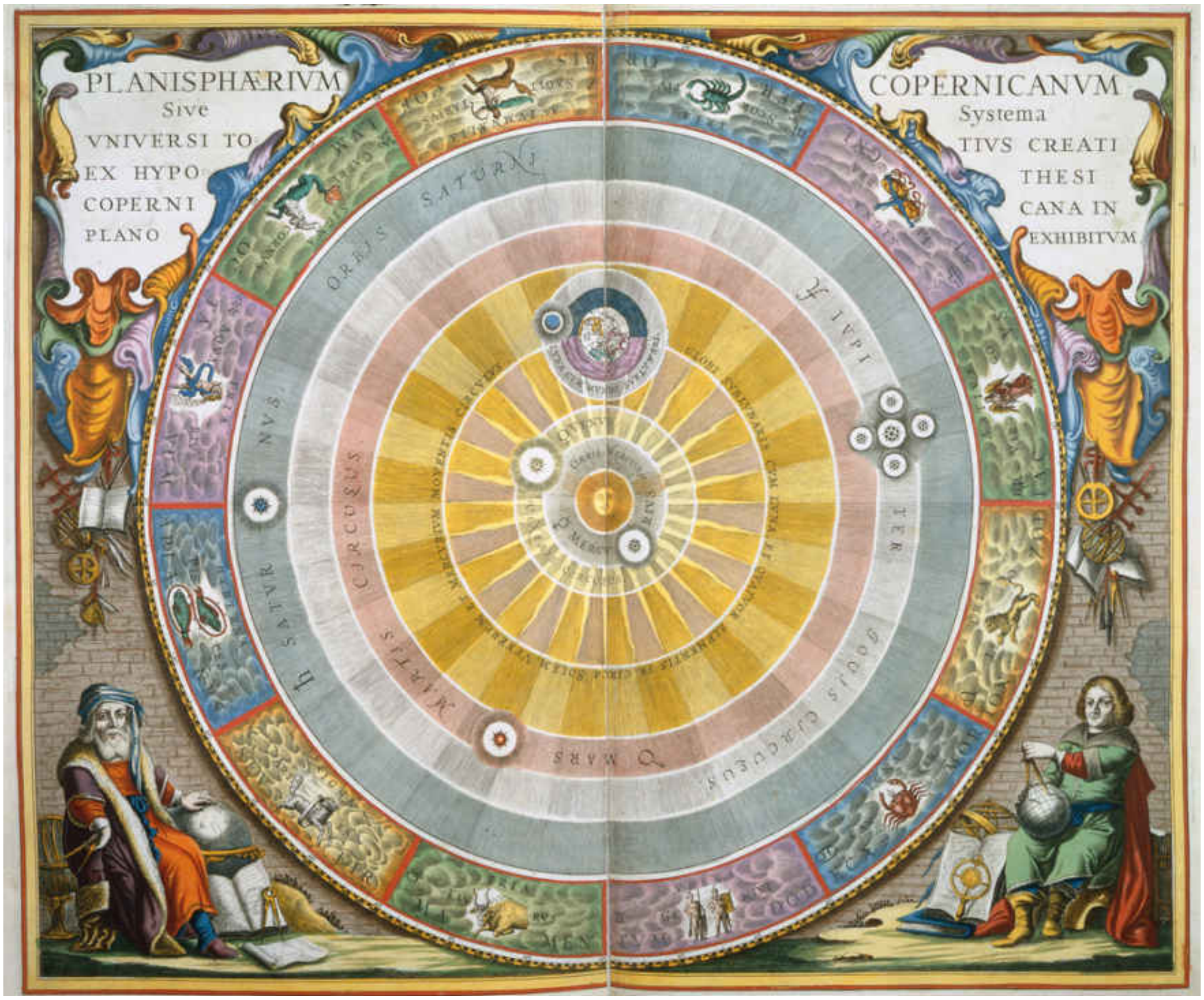
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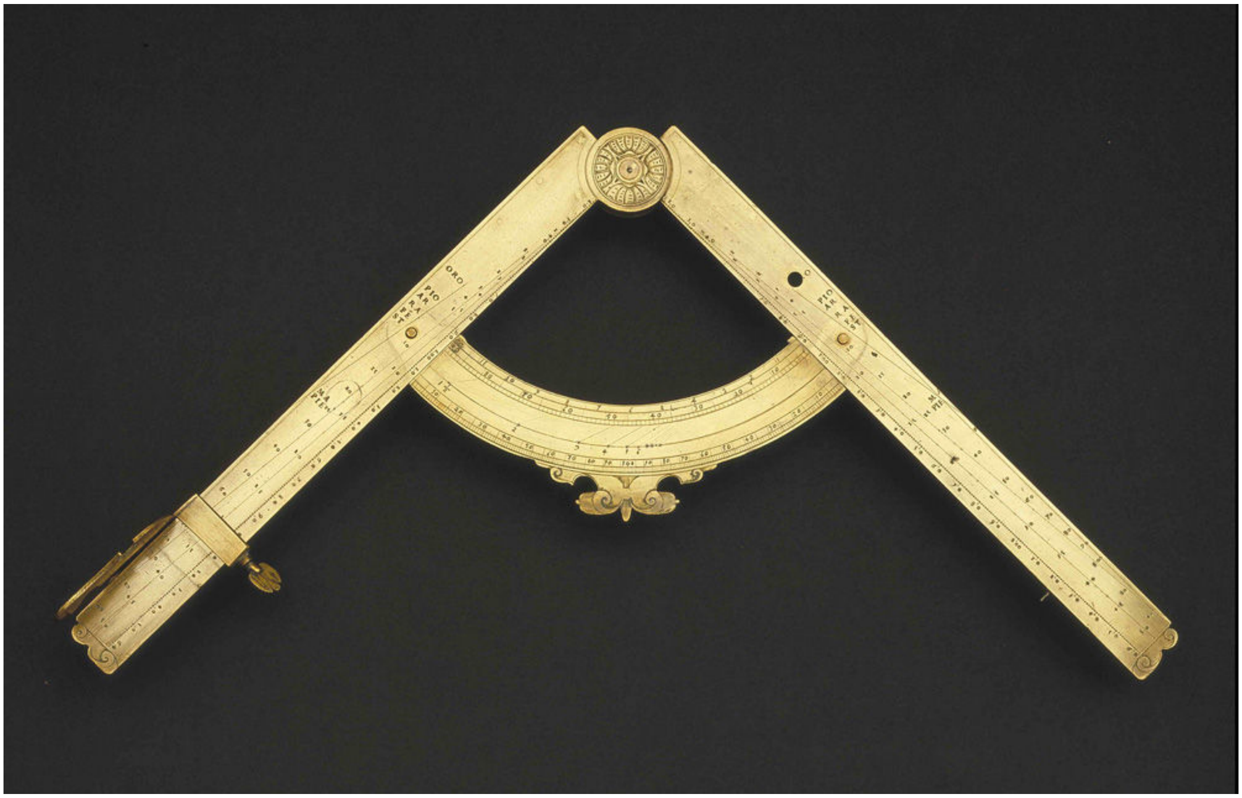
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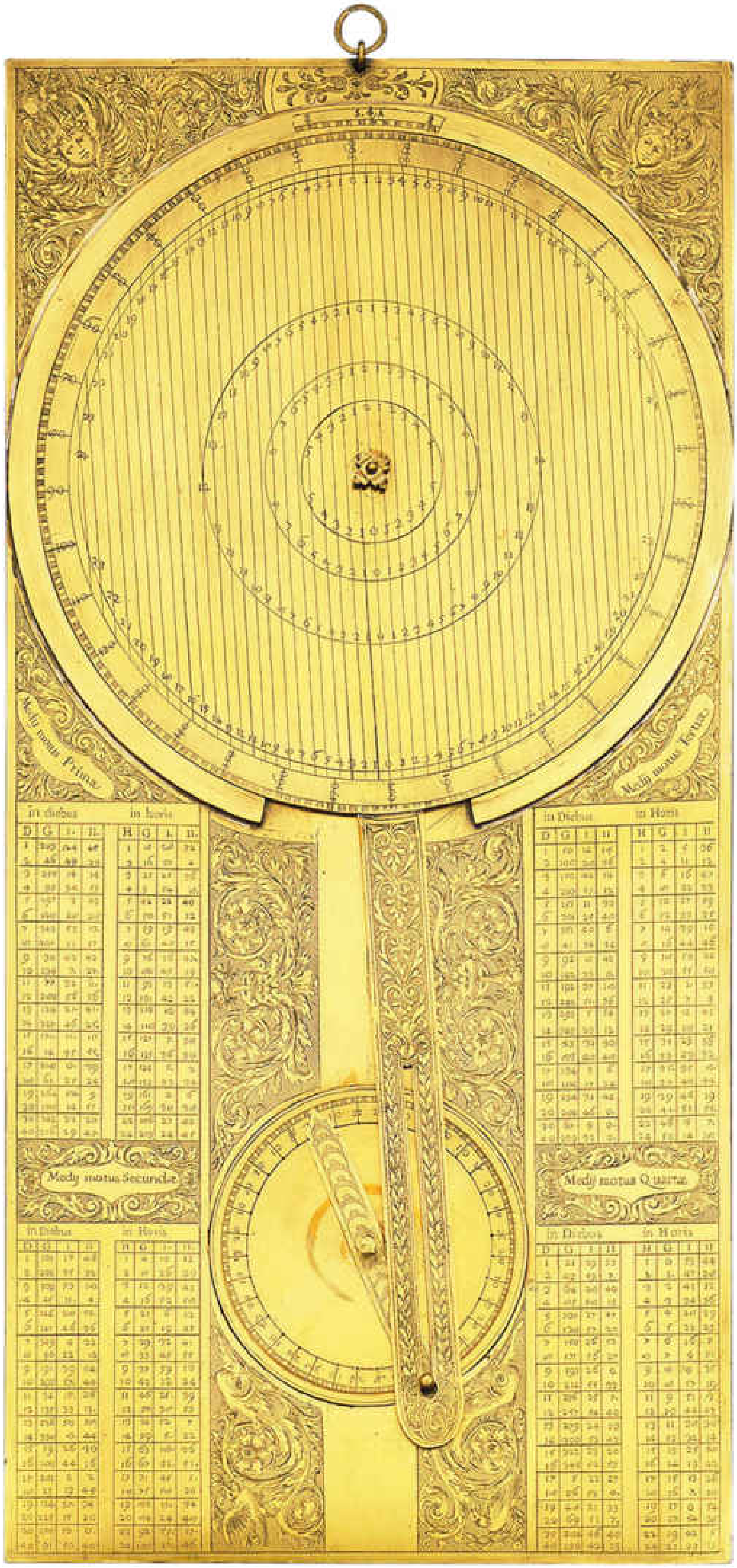

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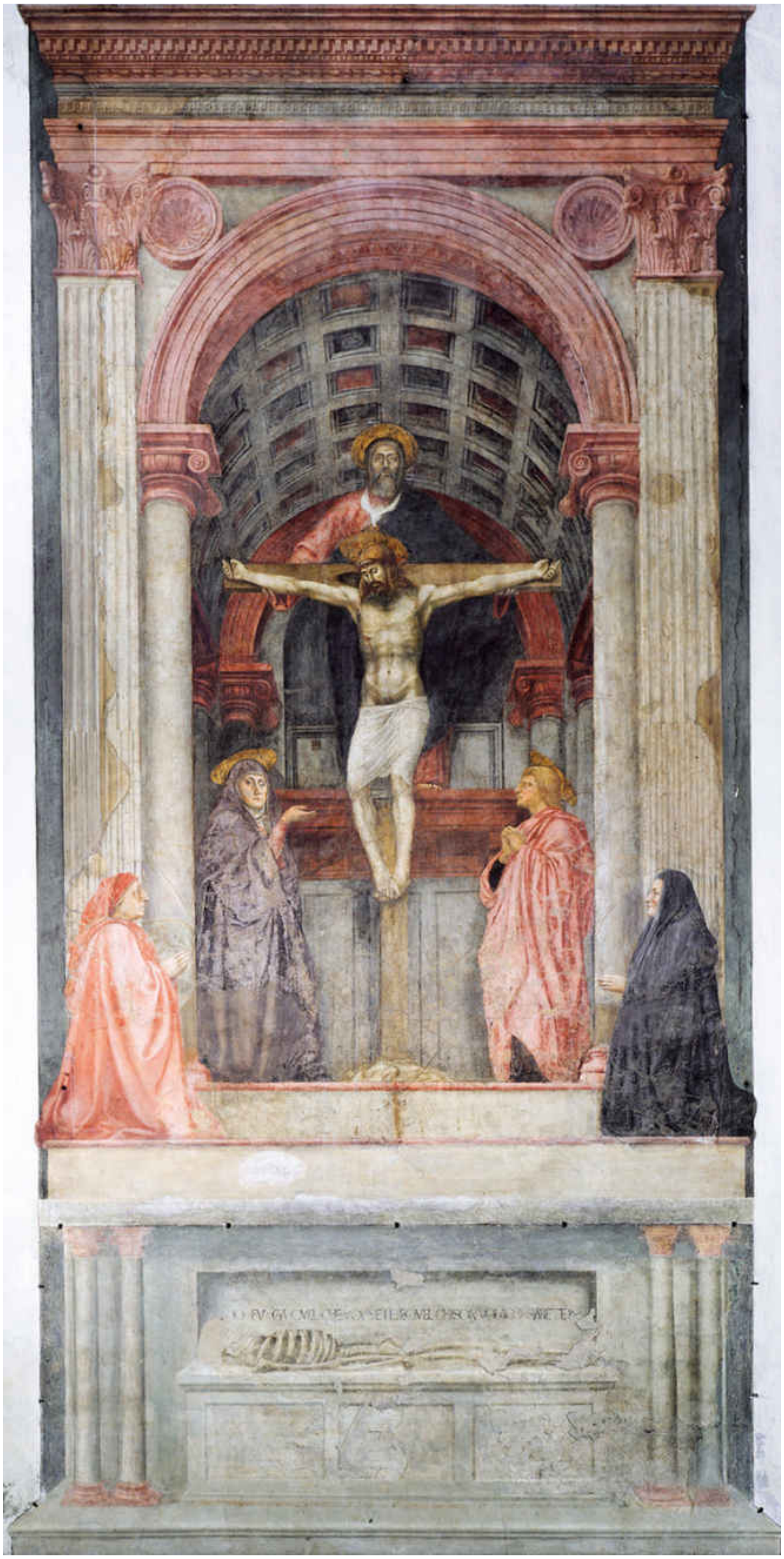
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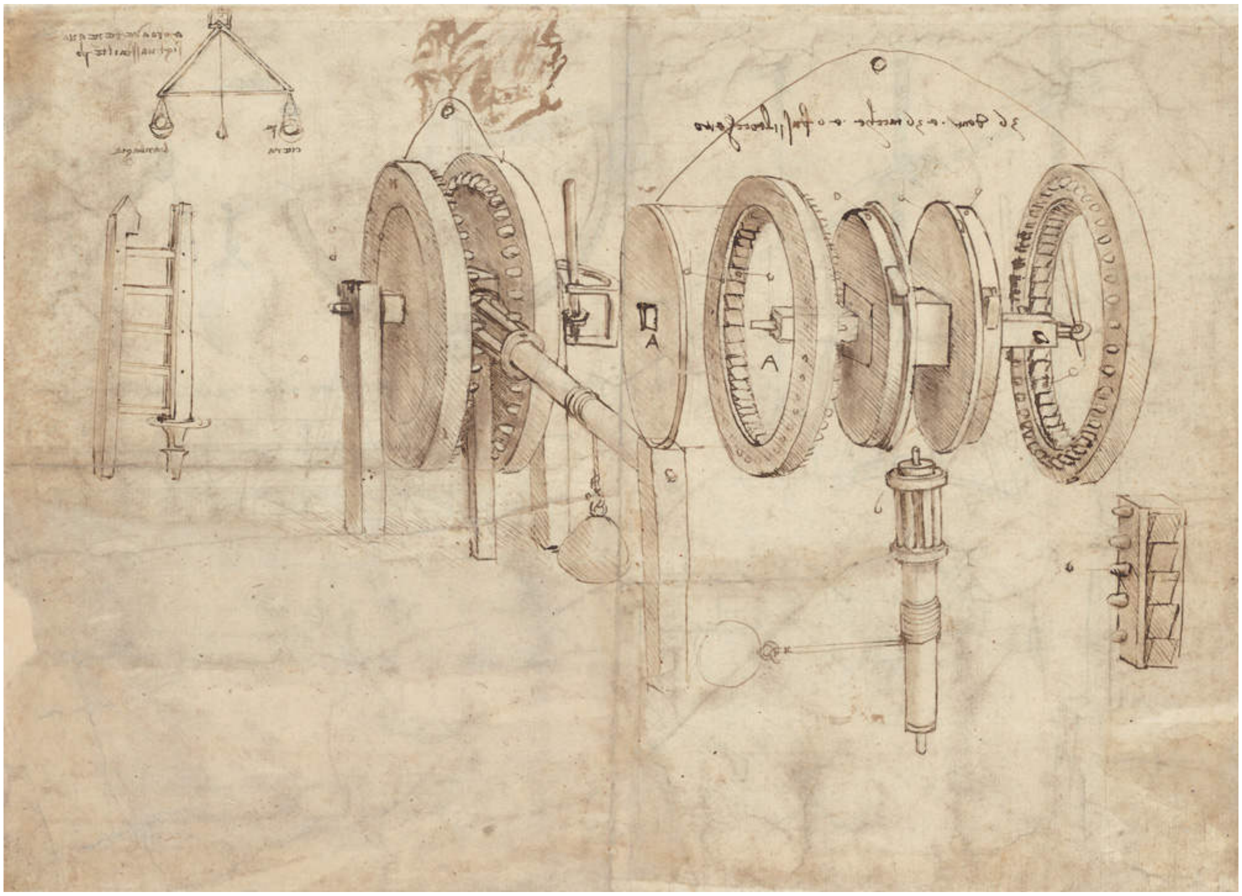
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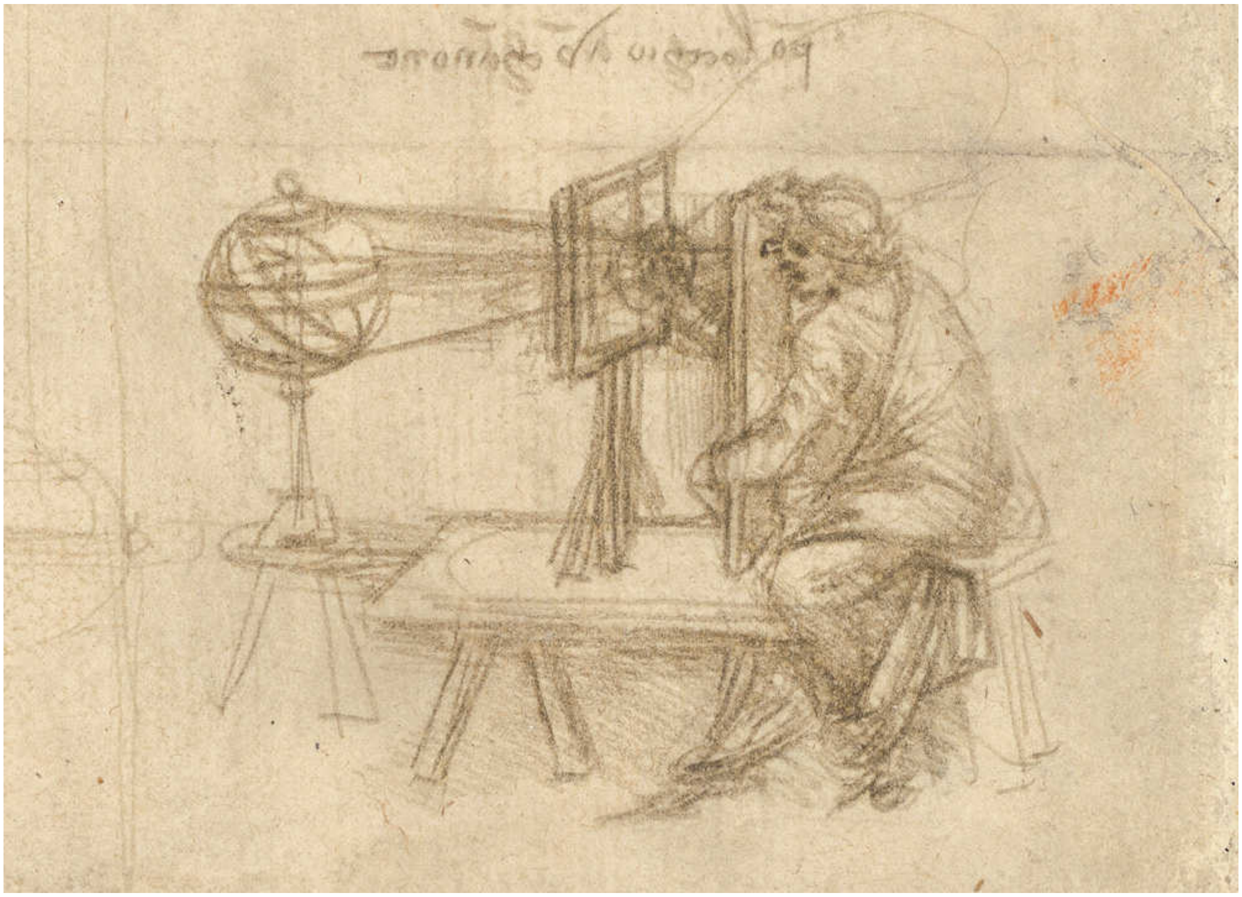
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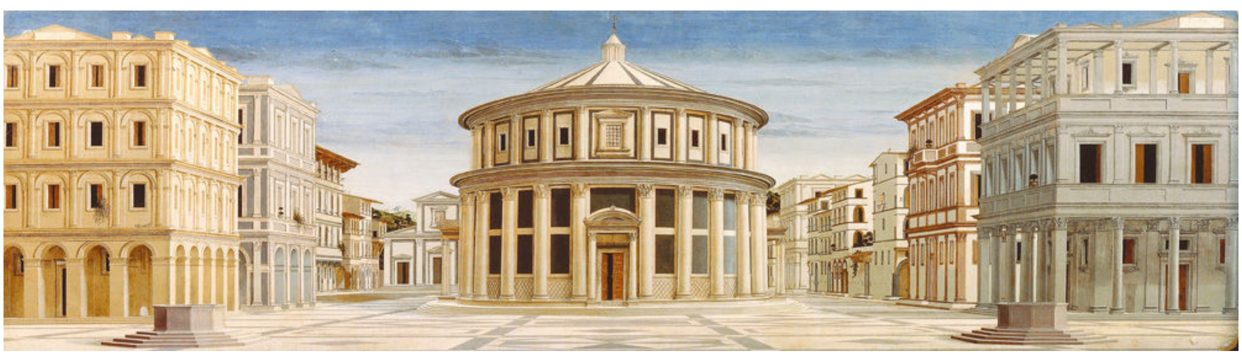
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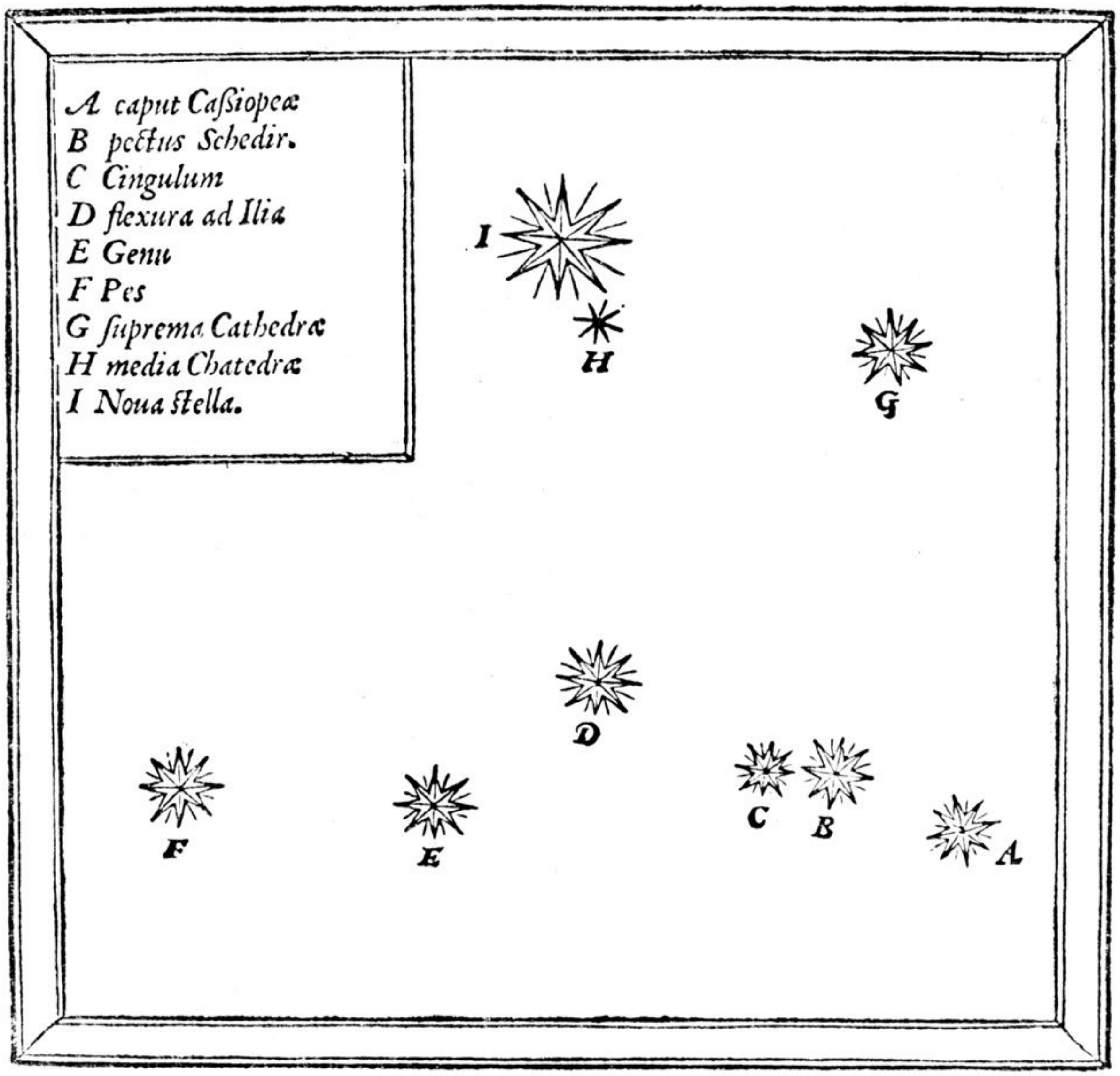
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1790[illegible]·[illegible]Antoine Lavoisier[illegible]1776[illegible]1789[illegible][37][illegible]17[illegible][38][illegible]“[illegible]”[illegible]“[illegible]”[illegible]1674[illegible]“[illegible]”[illegible]

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1651[illegible]—[illegible]*New Experiments Physico-mechanical* [illegible]1660[illegible]*The New Organon* [illegible]*The New Atlantis* [illegible]*The Wisdom of the Ancients* [illegible]1609[illegible]

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[illegible]·[illegible]Ludwig Wittgenstein[illegible]1889—1951[illegible][43][illegible]1929—1947[illegible]20[illegible]50[illegible]*Philosophical Investigations* [illegible]1953[illegible]·[illegible]

[illegible]J.L.[illegible]J.L.Austin[illegible]·[illegible]Michel Foucault[illegible]·[illegible]Jacques Derrida[illegible]·[illegible]Richard Rorty[illegible]“[illegible]”[illegible]“[illegible]”[illegible][44][illegible]

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[11] Wilson & Ashplant□“Whig History”□1988□□□□□□□□□□□□□□□□Skinner□“Meaning and Understanding in the History of Ideas”□1969□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□2002□□□□□□□□□□□□□□□□Wootton□“The Hard Look Back”□2003□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Shapin & Schaffer□Leviathan and the Air-pump □1985□□Cunningham□“Getting the Game Right” □1988□□

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[22] “Filosofo e matematico primario del sermo Gran Duca di Toscana”□□

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[25] □□□□□□□□□□□□□□□□□□□“mechanical philosophy”□□ EEBO□□□26□□□“physico-mechanical”□122□□□□“experimental philosophy”□352□□□□□“experimental natural philosophy”□□□□24□□□□□□□□□“Mathematical philosopher”□“natural philosopher”□□□□Benedetti□Consideratione□1579□□15□□□□49□□□□□□□□□□□□“naturale”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□“□□□”□□□□□□□□□□□1650□□□□“natural philosophy”□□□□□□□□□□□□□□□□□□□□□□□□□De magnete□□□□□□□“philosophia naturalis”□□□□□□□□□□□□Gilbert□De magnete□1600□□116□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□·□□□□□□□□□□□□□□□□□□“□□□□□□□”□Garber□“On the Frontlines of the Scientific Revolution”□2004□151—152□156—159□□□□□□□□□□□□□□□□□□□□□□□17□□40□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[26] □□□□□□Woodward□Dr Friend’s Epistle to Dr Mead□1719□□□□□□□□Jurin□A Letter to the Right Reverend the Bishop of Cloyne□1744□□18□□□□□“□□□”

[27] Ross□“‘Scientist’□The Story of a Word”□1962□78□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□“□□‘artist’□□□□□□□□□□□□□□□□□‘scientist’□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□‘sciolist’□□□□□□□□□□‘economist’□□□□□□□□‘atheist’□□□□□□□□□□□□□□□□□□□□□□□□□□□□□”□Whewell□“On the Connexion of the Physical Sciences”□1834□59□□□□□□□□□1834□□□□□□□□□□□□□□□□□□□□□“scientist”□“man of science”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□·□□□□□Mary Somerville□□“□□□”□□□□□□□□□□□□□□□□□□“ist”□□□□□“□□□□□□□□□□……□□□□□□□□□□□□□□□□□□□□□□□□□□□□□“physician”□□□□□□□□□□□□□□□□“physicist”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□“Scientist”□□□□□□□□□□□□□□□“artist”□□□“Musician”□□□□□□□“Painter”□□□□□“Poet”□□□□□□□“scientist”□□□“Mathematician”□□□□□□“Physicist”□□□□□□□□“Naturalist”□□□□□□”□Whewel□The Philosophy of the Inductive Sciences□1840□cvi□cxiii□“artist”□□□□□□□□□—□□□□□□□□□□□□□□“dentist”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Galton□□□□□□□□□□□□□□English Men of

Science[illegible]1874[illegible]“scientist”[illegible]190[illegible]1882[illegible]“scientist” + “scientists”[illegible]“man of science”+“men of science”[illegible]“scientist”[illegible]20[illegible]20[illegible]·[illegible]·[illegible]D’Arcy Wentworth Thompson[illegible]Ross[illegible]“‘Scientist’: The Story of a Word”[illegible]1962[illegible]Secord[illegible]Visions of Science [illegible]2014[illegible]105[illegible]“[illegible]”[illegible]“sciolist”[illegible]—[illegible]Barton[illegible]“Men of science”[illegible]2003[illegible]80—90 [illegible] n. 33[illegible]

[28] [illegible]“physic”[illegible]Daneau[illegible]Physique françoise, comprenant . . . le discours des choses naturelles, tant célestes que terrestres, selon que les philosophes les ont descrites [illegible]1581[illegible]

[29] [illegible]

[30] [illegible]“[illegible]”[illegible]1892[illegible]“[illegible]”[illegible]s.v. naturalist[illegible]

[31] [illegible]Consideratione[illegible]1579[illegible]De temporum emendatione opinio[illegible]1578[illegible]

[32] [illegible]·[illegible]·[illegible]John Theophilus Desaguliers[illegible]1716—1743[illegible]

[33] [illegible]Daniel Defoe[illegible]Robinson Crusoe[illegible]1719[illegible]“[illegible]”[illegible]18[illegible]17[illegible]

[34] “[illegible]……[illegible]”Butterfield[illegible]The Whig Interpretation of History [illegible]1931[illegible]16[illegible]31—32[illegible]

[35] [illegible]·[illegible]Peter Shaw[illegible]“[illegible]”[illegible]Shaw[illegible]A Treatise of Incurable Diseases[illegible]1723[illegible]3[illegible]·[illegible]Richard Davies[illegible]1740[illegible]1707[illegible]“[illegible]”[illegible]Davies[illegible]Memoirs of Saunderson[illegible]1741[illegible]v[illegible]

[36] [illegible]1641[illegible]

[37] [illegible]1789[illegible]1776[illegible]1772[illegible]1773[illegible]“[illegible]”

[38] [illegible]“[illegible]”[illegible]“[illegible]”[illegible]Laslett[illegible]Laslett[illegible]“Commentary”[illegible]1963[illegible]1620[illegible]·[illegible]“Great Instauration”[illegible]“Instauration”[illegible]“[illegible]”[illegible]17[illegible]60[illegible]“[illegible]”[illegible]Webster[illegible]The Great Instauration[illegible]1975[illegible]“[illegible]”[illegible]1677[illegible]3[illegible]25[illegible]

[39] “[illegible]”Blundeville[illegible]A Briefe Description of Universal Mappes[illegible]1589[illegible]C4r[illegible]

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[41] [illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[42] “[illegible]”[illegible]Lyotard[illegible]La Condition postmoderne[illegible]1979[illegible]

[43] [illegible]“[illegible]”[illegible]577—580[illegible]15[illegible]

[44] Rorty [illegible]ed.[illegible]The Linguistic Turn [illegible]1967[illegible] Wittgenstein[illegible]Tractatus Logico-philosophicus[illegible]1933[illegible]5.6[illegible]Williams[illegible]“[illegible]”[illegible]“Wittgenstein and Idealism”[illegible]1973[illegible]

[45] [illegible]“[illegible]”[illegible]2[illegible]581—582[illegible]

[46] [illegible]1911[illegible]McDonald[illegible]“Russell, Wittgenstein and the Problem of the Rhinoceros”[illegible]1993[illegible]

[47] [illegible]Dear[illegible]“Totius in verba”[illegible]1985[illegible]“totius in verba”[illegible]“nullius in verba”[illegible]“[illegible]”[illegible]Horace[illegible]Sutton[illegible]“Nullius in verba”[illegible]1994[illegible]Carpenter[illegible]Philosophia libera [illegible]1622[illegible]1st sig. 8v[illegible]1621[illegible]“nullius”[illegible]“[illegible]”[illegible]“totius in verba”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“totius”[illegible]“nullius”[illegible]“nullius in verba”[illegible]511[illegible]

[48] [illegible]“[illegible]”[illegible]3[illegible]582—583[illegible]

[49] [illegible]“[illegible]”[illegible]4[illegible]583—585[illegible]

[50] [illegible]1975[illegible]1966[illegible]Feyerabend[illegible]“Against Method”[illegible]1970[illegible] Feyerabend[illegible]Science in a Free Society [illegible]1978[illegible]91—96[illegible]

[51] [illegible]15[illegible]

[52] “[illegible]‘[illegible]’[illegible]‘[illegible]’[illegible]”[illegible]Wittgenstein[illegible]On Certainty[illegible]1969[illegible]§512[illegible]

[53] [illegible]“[illegible]‘[illegible]’[illegible]”[illegible]Wittgenstein[illegible]On Certainty[illegible]1969[illegible]§609[illegible]

[54] [illegible]

[55] [illegible]Sankey[illegible]“Kuhn’s Changing Concept of Incommensurability”[illegible]1993[illegible]Sankey[illegible]“Taxonomic Incommensurability”[illegible]1998[illegible]Hacking[illegible]“Was There Ever a Radical Mistranslation?”[illegible]1981[illegible]

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[57] Narratio de observatis Jovis satellitibus□□□□1610□9□11□□□□1611□□□□□□□□□□□Kepler□Dissertatio cum nuncio sidereo□1993□□□□□□□□□“satellitium”□□□□□□□□□□

[58] “□□□”Wittgenstein□On Certainty □1969□□§65□

[59] □□□□□□□“□□□□□”□□□□□□□□□□□□□□□□□□□□□□□□□□□/□□□□□□□□□□□□□□□□□□□□□□□□□□□□·□□□□□□□□□□□□□□□□□□Snell□“The Origin of Scientific Thought”□1953□□□□□□□1929□□□□Snell□“The Forging of a Language for Science in Ancient Greece”□1960□□

[60] “□□□□□□□□□□□□□□”□□□□□□□“□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□”□Chang□Is Water H2O□□2012□215□□□“success”□227—233□□□□□□□□□□□□□□□□□□

[61] □□□□□□□□□□□□□□□□□□□□□□□□Galilei□Le opere□1890□Vol. 5□371—395□□□□□□□□□□□□□□□□□□□□□□□“sensate esperienze □scorte sicure nel vero filosofare□”□378□□Stabile□“Il concetto di esperienza in Galilei”□2002□□Galilei□Le opere □1890□□Vol. 10□118 □Galileo to Altobelli□□Vol. 18□249 □Galileo to Liceti□& 69 □Baliani to Galileo□□□□□□□□□□□□□□□□□□□□□□□Palisca□“Vincenzo Galileo”□2000□□

[62] □□□□□□□□□□□□□□□□□□□□□□□□□□□□14□□□□□□□□□□·□□□15□□□□□□□□□□

[63] “Reconnoissez l’Expérience, me répondit-il; c’est elle-même”□Diderot□Les Bijoux Indiscrets□1748□Vol. 1□352□of 370□□□

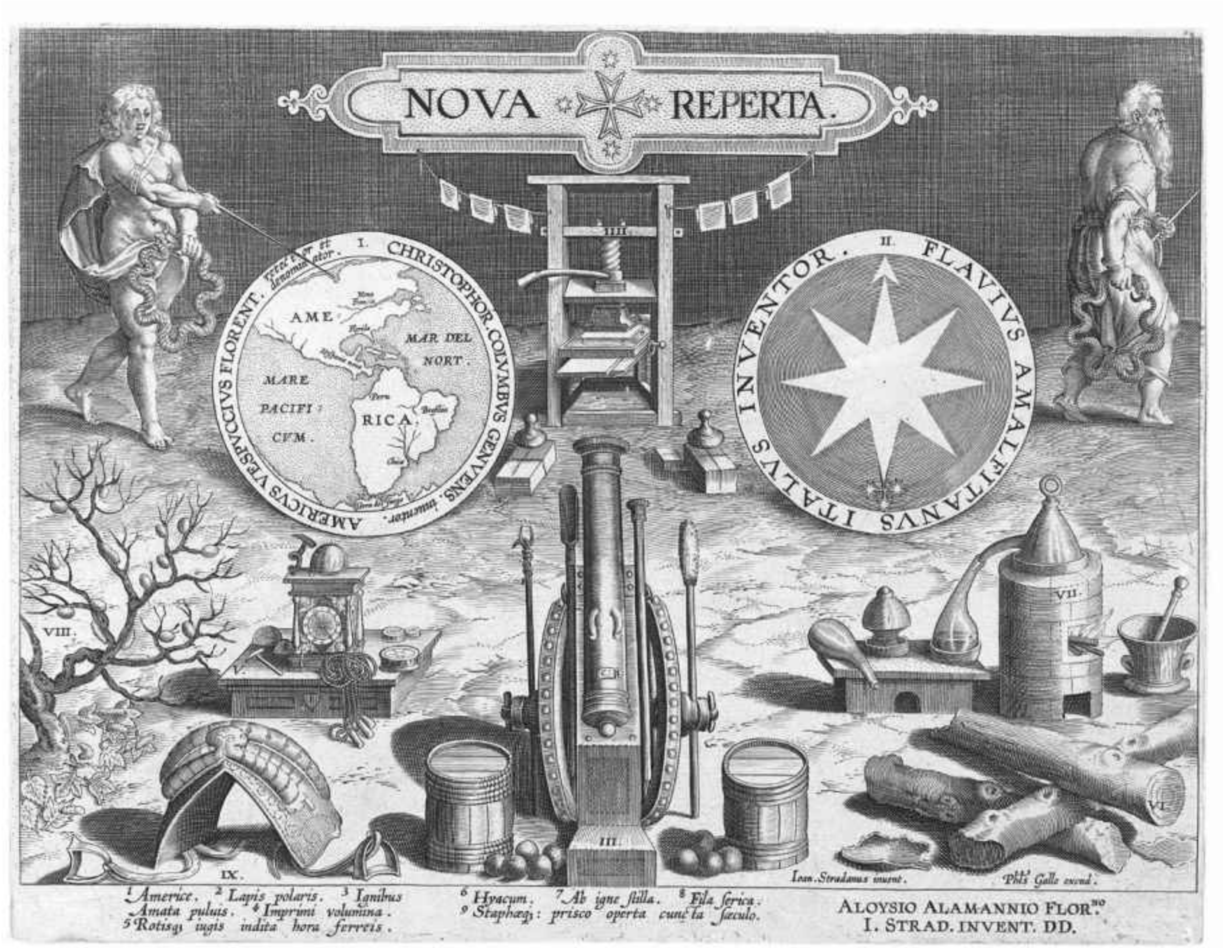
[illegible]1[illegible] [illegible]

[illegible]

——[illegible]·[illegible]Nicholas Copernicus[illegible]

[illegible]1543

[illegible]1492[illegible]1492[illegible]·[illegible]17[illegible]16[illegible]·[illegible]1543[illegible]1611[illegible]



[illegible]·[illegible]*New Discoveries* [illegible]*Nova reperta* [illegible]1591[illegible]

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——N.R.[illegible]N.R.Hanson[illegible]“[illegible]”

[illegible]“An Anatomy of Discovery”[illegible]1967

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1492[illegible]10[illegible]11/12[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1506[illegible]·[illegible]Martin Waldseemüller[illegible]1507[illegible]

[illegible]“*discobrir* ”[illegible]“[illegible]”[illegible]1485[illegible]

[illegible]“[illegible]”[illegible]“*invenio* ”[illegible]“*reperio* ”[illegible]“*exploro* ”[illegible]“*inventum* ”“*repertum* ”“*exploratum* ”[illegible]“*Invenio* ”[illegible]“*reperio* ”[illegible]·[illegible]Johannes Stradanus[illegible]1591[illegible]“*exploro* ”[illegible]1610[illegible]“[illegible]”[illegible]1492[illegible]“[illegible]”[illegible]100[illegible]“[illegible]”[illegible][1]

[illegible]“[illegible]”[illegible]1421[illegible]

[illegible]1484[illegible]“*descobrir* ”[illegible]“[illegible]”[illegible]“*patefacere* ”[illegible]1486[illegible]·[illegible]Fernão Dulmo[illegible]*descobrirse ou acharse* [illegible][2]

[illegible]·[illegible]“[illegible]·[illegible]”[illegible]“Letter to Piero Soderini”[illegible]1516[illegible]“*discoperio* ”9[illegible]1507[illegible]“*discooperio* ”[illegible]“[illegible]”[illegible]“*discooperio* ”[illegible]“[illegible]”[illegible]“*discooperio* ”[illegible]“[illegible]”[illegible][3]

[illegible]·[illegible]·[illegible]·[illegible]Fernão Lopes de Castanheda[illegible]1551[illegible]*História do descobrimento e conquista daÍndia* [illegible]1524[illegible]1652[illegible]1551[illegible]1552[illegible]1553[illegible]1554[illegible]1563[illegible]1613[illegible]

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1450—1500	1500—1550	1550—1600	1600—1650	1650—1700	1700—1750
12,589	79,017	138,427	200,906	331,035	355,073

[illegible]Buringh&van Zanden[illegible]“Charting the‘Rise of the West’”[illegible]2009,418.[illegible]

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[illegible]“[illegible]”[illegible][5][illegible][6][illegible]·[illegible]·[illegible]Louis Le Roy[illegible]Regius[illegible]1510—1577[illegible]1575[illegible]·[illegible]*Politics* [illegible]1594[illegible]

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[illegible]·[illegible]1486[illegible]“*descobrir* ”[illegible]1351[illegible]1427[illegible]

[illegible] Plutarch [illegible]

[illegible] “[illegible]” [illegible] 1492 [illegible] “[illegible]” [illegible] 1:9 [illegible] “*descrobrir* ” [illegible] 1486 [illegible] “[illegible]” [illegible]

[illegible] [7] [illegible] “boredom” [illegible] 1829 [illegible] “ennui” [illegible] 1732 [illegible] “bore” [illegible] 1766 [illegible] “to bore” [illegible] 1768 [illegible] “tediosity” [illegible] “boredom” [illegible] “*ennui* ” [illegible] “boredom” [illegible] “nostalgia” [illegible] 1688 [illegible] “*Heimweh* ” [illegible] 1729 [illegible] “homesick” [illegible] “homesickness” [illegible] 1695 [illegible] “*la maladie du pays* ” [illegible]

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[illegible]“*Schadenfreude* ”[illegible]“*Schadenfreude* ”[illegible]19[illegible]“embarrass”[illegible]“embarrass”[illegible]19[illegible]“*Schadenfreude* ”[illegible]“embarrassment”[illegible]“*Schadenfreude* ”[illegible]“embarrassment”[illegible]

[illegible]1486[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”

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（Avicenna，980—1037[illegible]Aesculapius[illegible]Hippocrates of Chios[illegible]Herophilus[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“*inventiones* ”[illegible]Anaxagoras[illegible]Parmenides[illegible]

[illegible]78[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Pythagoras[illegible]Erasistratus[illegible]“discover”[illegible]“[illegible]Orestus[illegible]Dencalion[illegible]”[illegible]1686[illegible]1553[illegible]

[illegible]1492[illegible][9][illegible]“*eureka* ”[illegible]“*heuriskein* ”“*eurisis* ”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible][10][illegible]Eudemus[illegible]370—[illegible]300[illegible]412—485[illegible]1533[illegible]1560[illegible]Menelaus[illegible][11]

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· Alessandro Achillini 1463
—1512
Averroes 1126—1198

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[illegible]1505[illegible]·[illegible]Gasparo Contarini[illegible]1548[illegible]“[illegible]”

[illegible]1542[illegible]*On the Fabric of the Human Body* [illegible]1572[illegible]

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[illegible]1514[illegible]·[illegible]Giovanni Manardi[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1534—1549[illegible]·[illegible]Jean Taisnier[illegible]

[illegible]17[illegible][15][illegible]

[illegible]1668[illegible]·[illegible]“[illegible]”[illegible]·[illegible]17[illegible]“[illegible]”[illegible]·[illegible]Walter Charleton[illegible]“[illegible]”

5

[illegible]“[illegible]”[illegible]*Maxims* [illegible]1540[illegible]1857[illegible]·[illegible]Francesco Guicciardini[illegible]Montaigne[illegible]1580[illegible]“[illegible]……[illegible]”[illegible]“[illegible]3.6[illegible]”[illegible]6000[illegible]Cicero[illegible]12954[illegible]·[illegible]·[illegible]Giulio Cesare Vanini[illegible]1616[illegible]“[illegible]”[illegible]

[illegible]*Meno* [illegible]“[illegible]”[illegible]

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[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]1620[illegible]·[illegible]1646[illegible]·[illegible]Thomas Browne[illegible]“*veritas filia temporis*”[illegible]“[illegible]”[illegible]“*Paesi novamenti retrovati*”[illegible]Vicenza[illegible]1507[illegible]“[illegible]”[illegible]“*Newe unbekanthe Landte*”[illegible]

[illegible]1492[illegible]“[illegible]”[illegible]15[illegible]·[illegible]·[illegible]Leon Battista Alberti[illegible]1404[illegible]“[illegible]”[illegible]Donatello[illegible]Masaccio[illegible]Ghiberti[illegible]·[illegible]·[illegible]Luca della Robbia[illegible]1436[illegible]“[illegible]……[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”“[illegible]”“[illegible]”[illegible][16][illegible]Vitruvius[illegible]1435[illegible]“[illegible]”[illegible]Filarete[illegible]1461[illegible]·[illegible]Sebastiano Serlio[illegible]1537[illegible]“[illegible]”[illegible]

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[illegible] Chaucer [illegible] 14 [illegible]

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[illegible]

[illegible]

[illegible]

[illegible] 40 [illegible] 1492 [illegible] 1483 [illegible]·[illegible] Diogo Cão [illegible] 1516 [illegible]

[illegible]Charles[illegible]“*plus ultra* ”[illegible]“*plus ultra* ”[illegible]1555[illegible]·[illegible]·[illegible]João de Barros[illegible]“[illegible]……[illegible]”[illegible]1610/1611[illegible]·[illegible]·[illegible]Lodovico delle Colombe[illegible]“*Plus ultra* [illegible]”[illegible]1633[illegible]6[illegible]·[illegible]Benedetto Castelli[illegible]“*non plus ultra* ”[illegible]

[illegible]1553[illegible]·[illegible]·[illegible]*The Resolution of All Geometrical Problems of Euclid and Others with a Single Setting of the Compass* [illegible]“[illegible]”[illegible]*per Joannem Baptistam de Benedictis Inventa* [illegible]*New Science* [illegible]1537[illegible]·[illegible]Robert Norman[illegible]1581[illegible]*The Newe Attractive* [illegible]“[illegible]……[illegible]”[illegible]“[illegible]”[illegible]·[illegible]*Cosmographia* [illegible]1607[illegible]*alcune cose di nuovo dall’autore ritrovate* [illegible]1585[illegible]1608[illegible]“[illegible]”[illegible]

20[illegible]“[illegible]*cose trovabili* [illegible]”[illegible]“[illegible]”[illegible]·[illegible]NiccolòAggiunti[illegible]

[illegible]1545[illegible]·[illegible]Jacques Cartier[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]·[illegible]Marin Mersenne[illegible]1625[illegible]“[illegible]Lactantius[illegible]Xenophanes[illegible]”[illegible]·[illegible]1661[illegible]

[illegible]Seneca[illegible]

[illegible]“*experientia magistra rerum* ”[illegible]

[illegible]

[illegible]

6

[illegible]“discovery”[illegible]1554[illegible]“discover”[illegible]1553[illegible]“voyage of discovery”[illegible]1574[illegible]1559[illegible]·[illegible]Jacobus Acontius[illegible]

[illegible]

[illegible]“[illegible]”。[17] [illegible]“[illegible]”[illegible]“*invenio*”[illegible]“*invenio*”[illegible]1605[illegible]*Of the Proficiency and Advancement of Learning*[illegible]·[illegible]

[illegible][18] [illegible]

[illegible]“[illegible]”[illegible]

[illegible]

[illegible][19] [illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“advancement”[illegible]“progression”[illegible]“proficiency”[illegible]“[illegible]”[illegible]1670[illegible]“improvement”[illegible]“progress”[illegible]1492[illegible]*The Advancement of Learning*[illegible]1605[illegible]1623[illegible]*The Wisdom of the Ancients,* 1609[illegible]*The*

New Organon [illegible]1620[illegible]*The Great Instauration* [illegible]1626[illegible]*Sylva sylvarum* [illegible]“*sylva* ”[illegible]“*Sylva sylvarum* ”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“*Organon* ”[illegible]

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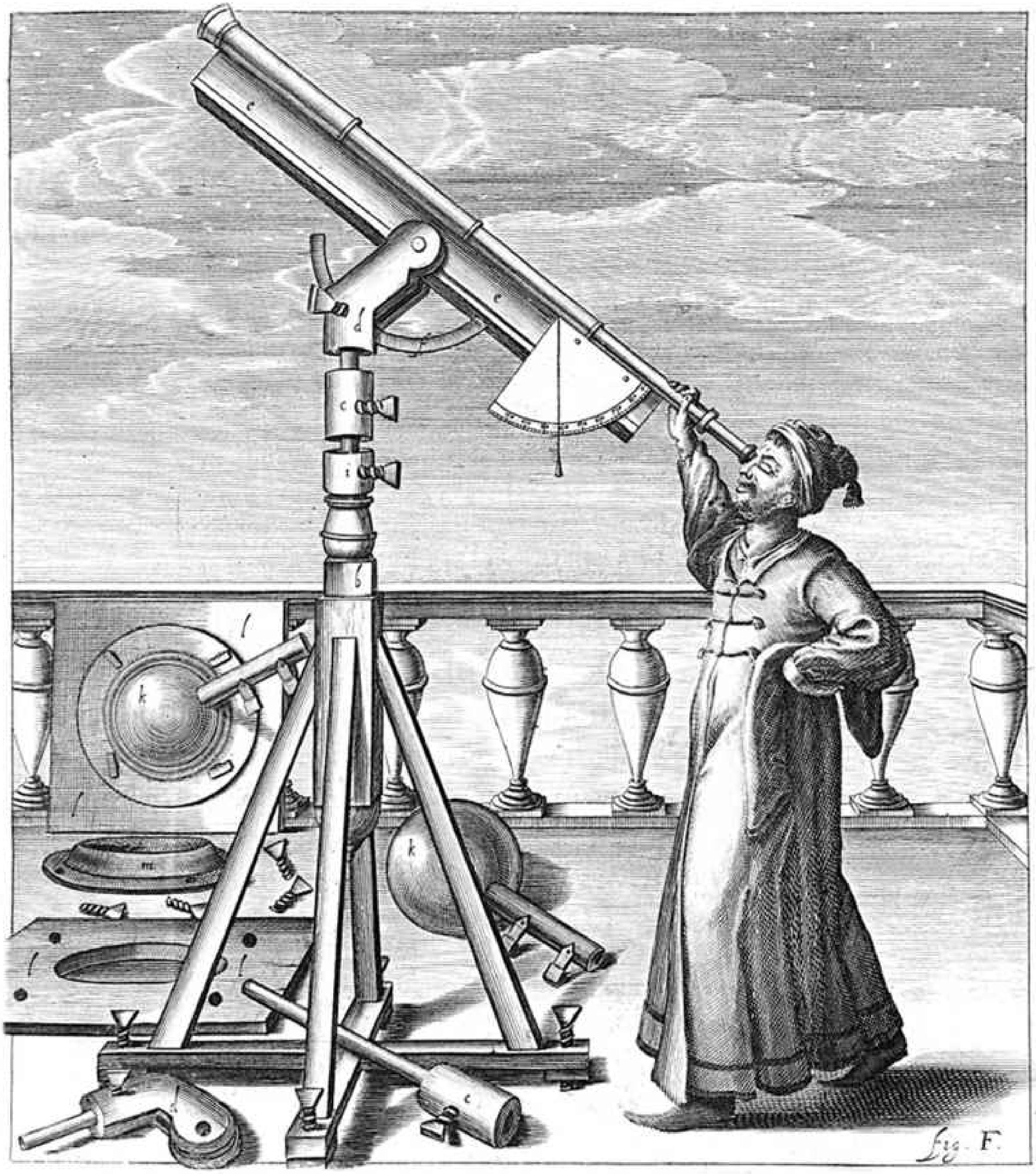
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[illegible]16[illegible][20][illegible]·[illegible]Gabriele Falloppio[illegible]1548[illegible]·[illegible]Andreas Vesalius[illegible]·[illegible]·[illegible]Giovanni Filippo Ingrassia[illegible]1546[illegible]1603[illegible]1561[illegible]·[illegible]Caspar Bartholin[illegible]1611[illegible]

[illegible]1611[illegible]·[illegible]Realdo Colombo[illegible]1592[illegible]·[illegible]·[illegible]Girolamo Fabrizi d’Acquapendente[illegible]

1610[illegible]1[illegible]7[illegible]1[illegible]15[illegible]

[illegible]1610[illegible]1612[illegible]·[illegible]Christoph Scheiner[illegible]1772[illegible]·[illegible]·[illegible]Carl Wilhelm Scheele[illegible]“[illegible]”[illegible]1774[illegible]·[illegible]Joseph Priestley[illegible]“[illegible]”[illegible]1777[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1812[illegible]·[illegible]Humphry Davy[illegible]1772[illegible]1812[illegible]



[illegible]·[illegible]Johannes Hevelius[illegible]*Selenographia* [illegible]1647[illegible]150[illegible]45.7[illegible]1610/1611[illegible]

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[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible] [21]

[illegible]1705[illegible]75[illegible]1758[illegible]1758[illegible]1717[illegible]“[illegible]1758[illegible]”[illegible]1705[illegible]1717[illegible]1758[illegible]1758[illegible]1759[illegible]“[illegible]”[illegible]1705[illegible]·[illegible]·[illegible]Wilhelm Friedrich Bessel[illegible]1846[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]1492[illegible]10[illegible]11/12[illegible]

[illegible]·[illegible]·[illegible]Rodrigo de Triana[illegible]·[illegible]Robert Merton[illegible]1910—2003[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]

[illegible]·[illegible]Jost Bürgi[illegible]1588[illegible]·[illegible]John Napier[illegible]1614[illegible]1602[illegible]Snell[illegible]1621[illegible]1637[illegible]1604[illegible]1606[illegible]1619[illegible]1662[illegible]Mariotte[illegible]1676[illegible]Wallace[illegible]1858[illegible]1608[illegible]·[illegible]Hans Lipperhey[illegible]·[illegible]Zacharias Janssen[illegible]·[illegible]Jacob Metius[illegible]

[illegible]1610—1612[illegible]·[illegible]Johannes Fabricius[illegible]

[illegible]Thales[illegible]Parmenides[illegible]

8

[illegible]“*quasi novello Colombo* ”[illegible]Ferdinand[illegible]Isabella[illegible] [22]

[illegible]“[illegible]”[illegible]“competition”[illegible]1579[illegible]“compete”[illegible]1620[illegible]16[illegible]“*concurrence* ”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]17[illegible]“*concorrente* ”[illegible]“[illegible]”[illegible]“rival”[illegible]1577[illegible]1607[illegible]“rivalry”[illegible]1598[illegible]“competition”[illegible]

[illegible]“[illegible]”[illegible]30[illegible]1693[illegible]Leibniz[illegible]1684[illegible]1704[illegible]*Principia* [illegible]1687[illegible]“[illegible]”[illegible]

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[illegible]

[illegible]1612[illegible]1588[illegible]·[illegible]·[illegible]·[illegible]Nicolaus Reimers Baer[illegible]Ursus[illegible]·[illegible][23] 218[illegible]·[illegible]1614[illegible]·[illegible]1620[illegible]1520[illegible]

1520[illegible]·[illegible]·[illegible]Scipione del Ferro[illegible]·[illegible]·[illegible]NiccolòFontana[illegible]Tartaglia[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]·[illegible]Girolamo Cardano[illegible]·[illegible]1545[illegible]“[illegible]”[illegible]

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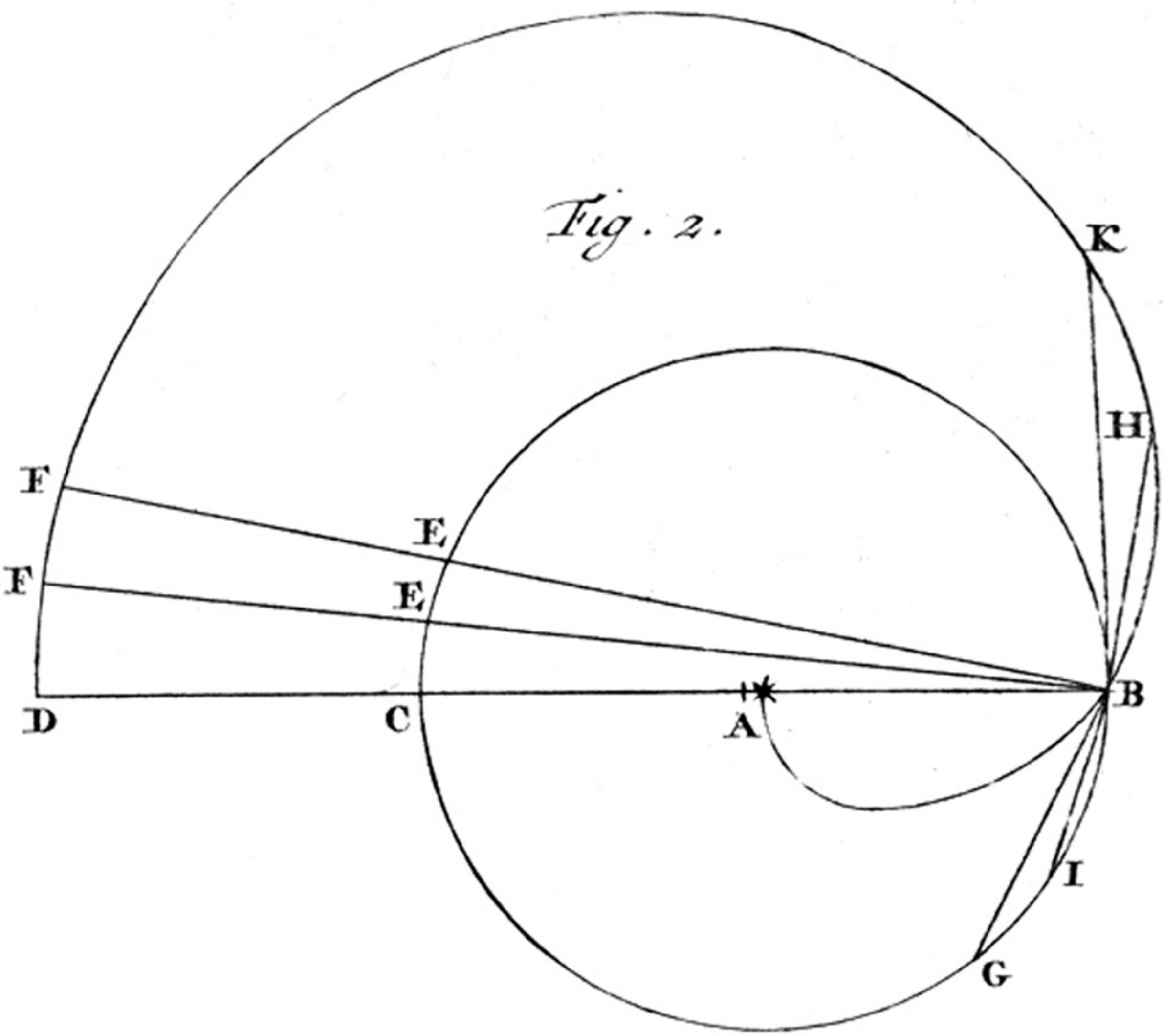
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[illegible]1543[illegible]·[illegible]

[illegible][26][illegible]“[illegible]”[illegible]1561[illegible]1562[illegible]·[illegible]Leone Carcano[illegible]1653[illegible]·[illegible]Thomas Bartholin[illegible]·[illegible]Olof Rudbeck[illegible]·[illegible]·[illegible]Reinier de Graaf[illegible]·[illegible]Jan Swammerdam[illegible]1672[illegible]·[illegible]Niels Steno[illegible]



[illegible]“P[illegible]”[illegible]*Mathematical Works* [illegible]1731[illegible]

[illegible]1597[illegible]Blaise[illegible]·[illegible]Étienne Pascal[illegible]1637[illegible]1650[illegible]·[illegible]·[illegible]Gilles de Roberval[illegible]·[illegible]P[illegible]

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□□1488□□□□□□□□·□□□□Bartolomeu Dias□□“Rio do Infante”□□□—□—□—□□□1507□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□1499□□—□□·□□□□Abel Tasman□□□□□□□□□□□□

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□□1697□□□□“□□□□□□”□□1721□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[illegible]“*accessorius Willisii* ”[illegible]·[illegible]
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[illegible]1560[illegible]1648[illegible]1648[illegible]

[31] 1643 · Evangelista Torricelli 1650 · 1651 “” 1492 [32] “plagiary” 1598 “plagiarism” 1621 “plagiarize” 1660 “plagiarist” 1674 1646 · [33] “ ”

17 1647 · “the Ptolemeans,the Tychonians,the Copernicans” “Galenic” 1654 “Helmontian” 1657 “Torricellian” 1660 “Fallopian” 1662 “Pascalian” 1664 “Baconist” 1671 “Euclidean” 1672 “Boylean” 1674 “Newtonian” 1676 18 “” 1708 1713 1733 1645 · van Langren · · Giovanni Battista Riccioli

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“” 1895 1936 “” “*Eureka* ” 1610

[illegible]1627[illegible]·[illegible]Gutenberg[illegible]1654[illegible]·[illegible]“[illegible]”[illegible]

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[illegible]

[illegible]1492[illegible]1605[illegible]1610[illegible]

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[illegible]1543[illegible]

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[illegible]·[illegible]Pierre Bourdieu[illegible]“[illegible]”[illegible]

[illegible]18[illegible]·[illegible]·[illegible]Fatio de Duillier[illegible]1692[illegible]“[illegible]*avoir decouvert assez clairement*[illegible]……”[illegible]1713[illegible]

[1] [illegible]·[illegible]·[illegible]Giordano da Pisa[illegible]1306[illegible]“[illegible]si trovó[illegible]20[illegible]arte novella che mai non fu[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”“[illegible]”[illegible]“[illegible]”[illegible]Filarete[illegible]1469[illegible]“[illegible]·[illegible]·[illegible]·[illegible]Pippo di ser Brunelleschi[illegible]inventò[illegible]……[illegible]”[illegible]“Inventare”[illegible]

[2] [illegible]1486[illegible]14[illegible]Verlinden[illegible]“Lanzarotto Malocello”[illegible]1958[illegible]“Predictarum insularum fuerunt prius

nostri regnicole inventores”□“□□□□□□□□□□□□□□□□□□”□□1188□“avendo délie nos as yllas que trobou e nos gaanou que som no mar do Cabo Nom” □“□□□□□□□□□□□□□□□□□□□□□□”□□1197□□□□“inventores”□“trobou”□□□□□□□□□□□□□querentes ad eas insulas, quas vulgo repertas dicimu□“□□□□□□□□□□□□□‘□□□□’□□□□”□□1191□□□□□“□□”□□□□□□□□□□□□□□□□□□□□□□□□“□□”□□□□□□□□□□□□□□□□□□□□□□“□□□”□□□□□□□□□□□□□□□□“□□”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[3] Waldseemüller□The Cosmographiæ introductio □1907□□88 □□□□□□□□xliv□□□□□□□□□□□□Brotton□A History of the World in Twelve Maps□2012□□155—156□□□□□□□□Brotton□□□□□□□□□□□□□□□□□□□□□Hessler□The Naming of America□2008□□ Waldseemüller □The Cosmographiæ introductio □1907 □ □xxviii □68 □□□□□□□□□□□ Grynaeus□Novus orbis regionum ac insularum veteribus incognitarum □1532□□□“□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□”□□□ Washburn□“The Meaning of ‘Discovery’”□1962□12□□□□□1535□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Bataillon □“L’ Idée de la découverte de l’Amérique” □1953 □ □44□ O’Gorman□The Invention of America□1961□□16□□□□□□□□□□□□□□□□□□□□□□□□□

[4] □□“□□”□□17□□□□□□□□□□□□□□□□□□□□□□□□Hobbes□Humane Nature□1650□112□□□□□□□□□□□□“□□□□□□”□□“□□”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ Finlay□“China, the West and World History”□2000□□

[5] □□

[6] “15□□1492□□□”□Daston & Park□Wonders and the Order of Nature□1998□147□□□□□□□□ Humboldt□Examen critique □1836□□Vol. I□viii–x□

[7] □□·□□□□Quentin Skinner□□□□“originality”□□□□□□□□□□□□□□□□□□□□□□□Skinner□Visions of Politics□2002□□Vol. I□159□

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[11] □□□□□□□□□□□□□□“□□”□□□□□□□□□□□Lewis□□□□□□Short□□□□□□□□□□□□□□□“instauratio”□□□□□□“□□□□□□□□□□□□”□□□□□□□“innovo”□□□□□□□□□“□□”□□□□□□□□“innovatio”□□□□□□“□□”□□□□□□□□□□□□□□□□□□□□□□□□·□□□□Marcus Aurelius□□□□“□□□□……□□□□□□□□□□□□□□□□□□□□□□□□□□□100□□200□□□□□□□□□□□□□□□□□□□□□□□□□□□”□Aurelius□The Meditations□1968□Vol.I□31□□

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[13] 14□□Murdoch□“Philosophy and the Enterprise of Science in the Later Middle Ages”□1974□□

[14] □□Piccolomini□Della

grandezza della terra et dell’acqua □1558□□1r–2v□

[15] □·□Edmund O’Meara□“□”□Pathologia hæreditaria generalis□Dublin□1619□62—64□Lower□Richard Lower’s“Vindicatio”□1983□201—202□

[16] □·□Pierre Guiffart□1647□“□M. □……”□Dear□Discipline and Experience□1995□191□Oeuvres□1923□9□

[17] □“□”□“□”□“□”□“□”□·□1691□“□”□H. W. □H. W. Haggard□1929□“□”□“invention”□“discovery”□

[18] □Blundeville□1594□“□”□s.v. “West Indies”□

[19] □“□”□“□”□Weeks□“Francis Bacon and the Art–Nature Distinction”□2007□123□

[20] □“□”□“□”□5□585—586□

[21] □·□Gasparo Aselli□“□”□1622□Bertoloni Meli□“The Collaboration between Anatomists and Mathematicians in the Mid-seventeenth Century”□2008□670□

[22] □·□“□”□7□10□Roche□“Harriot□Galileo and Jupiter’s Satellites”□1982□

[23] □193—194□

[24] □5—8□17□

[25] □

[26] □198□303—304□331□340□348□358□424□“□”□Popper□Objective Knowledge□1972□107□Popper□The Logic of Scientific Discovery□1959□44—47□

[27] □Wallis□“An Essay of Dr John Wallis”□1666□266□Anon□“An Advertisement Concerning the Invention of the Transfusion of Bloud”□1666□490□

[28] □1610□1339□—□1336□·□Lancelotto Malocello□Verlinden□“Lanzarotto Malocello”□1958□“□”□1385□1719□

[29] □12□□Herschel□□□□□□□□□□□□□□□□□□□·□□□□Le Verrier□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Hoskin□“The Discovery of Uranus”□1995□175□Morando□“The Golden Age of Celetial Mechanics”□1995□218□220□□

[30] □□□1216□□1221□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□“Dominicanus”□□□□1509□□□□□□1534□□□“ Franciscanus”□□1515□□□□□□□□1534□□□“Dominicanus”□“Franciscanus”□□□Latham□□□□□Dictionary of Medieval Latin from British Sources □1975□□“Dominican”□“Franciscan”□□Erasmus□Ye Dyaloge Called Funus □1534□□□□□□□□□□□□□“Dominican”□□□□1632□□□

[31] □□□□□□□□□□□□□□□□□□□Institutiones anatomicae□□

[32] □□□□□□□□□□□□□□□□□□□□□□1710□□□Kastan□Shakespeare and the Book □2001□□23—26□

[33] □□□□□“□□”□□□□□□□“□□”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□“□□”□□□□□□□□□□□□□□□□□□□□Minnis□Medieval Theory of Authorship□1988□12□□□□□17□□□□□□□□□□□□□□□□□□□“□□”□□Kastan□Shakespeare and the Book □2001□□69—71□□□□□□□□□□□□□□□□□□□□□□□□□□□“Qu’est-ce qu’un auteur?”□1969□□in Foucault□Dits et écrits □2001□□Vol.I□817—849□

[34] □□□□□□□□□□□□□□□□□□□□□Science and Civilization in China□□□

[35] □□□□□□□□□□□□□□□□□□□□□□□Eudemus□□□370—□300□□□□□□□□□□□□□Zhmud□The Origin of the History of Science □2006□□

[36] “Declination”□□□□□□□□□□□□□□“inclination”□□□□□□□□□□□□□□□“variation”□□□□□□□□□□□□□□□□□□□□□□□□□□□“variation”□□□□□□□“dip”□□□□□□“declination”□□□□□□□□□□□“dip”□□□□

[illegible]

[illegible]

——[illegible]·[illegible]Douglas Adams[illegible]

[illegible]

[illegible]*The Hitchhiker’s Guide to the Galaxy*[illegible]1979[illegible]

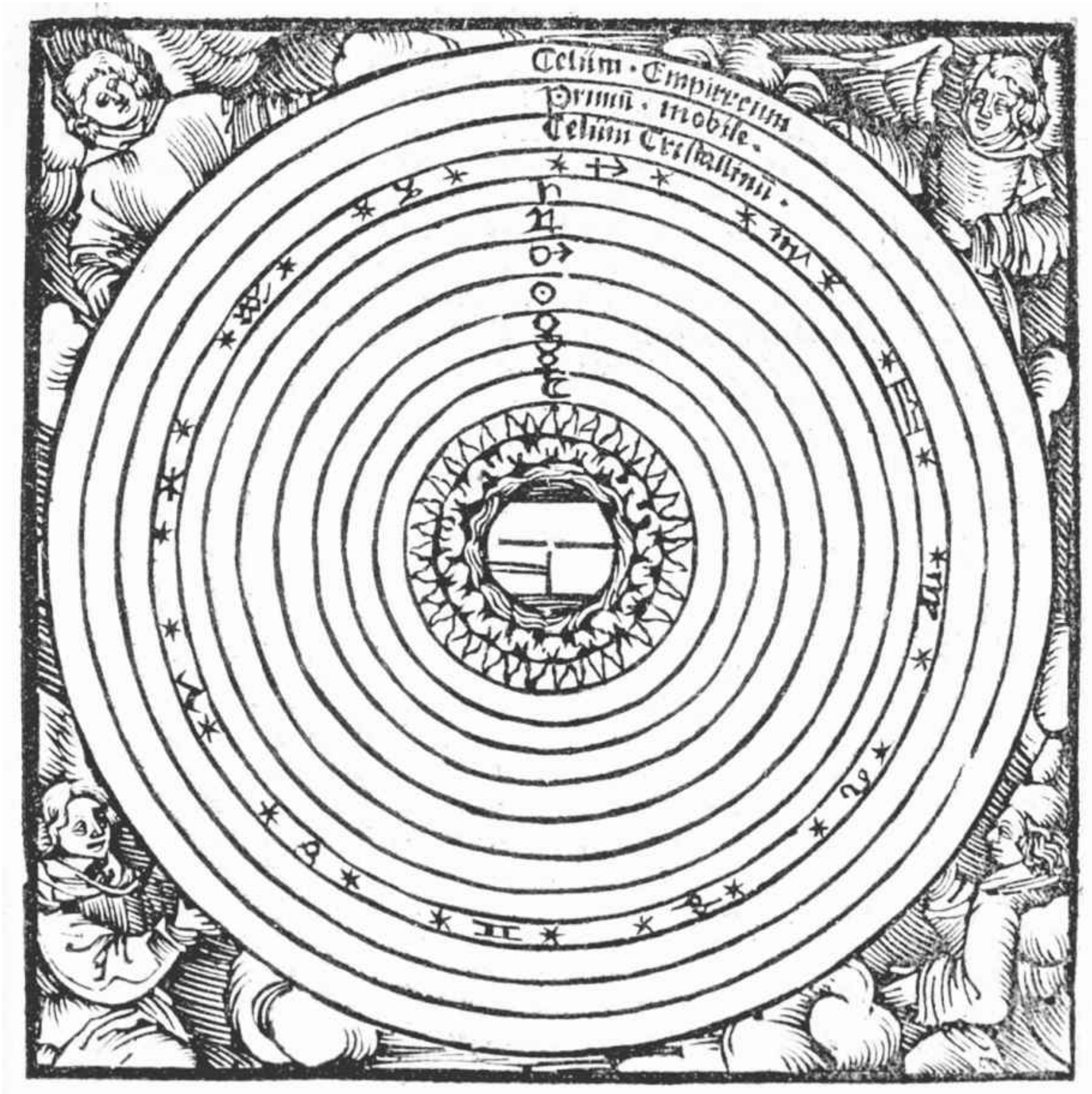
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[illegible]“[illegible]”[illegible]·[illegible]

[illegible]……[illegible]

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“[illegible]”[illegible]19[illegible]1519—1522[illegible]“[illegible]”[illegible]



[illegible]·[illegible]Jodocus Trutfetter[illegible]*A Textbook of Natural Philosophy*[illegible]*Summa in tota*[illegible]*m*[illegible]*physicen*[illegible]1514[illegible]

[illegible][1] 274 [illegible]

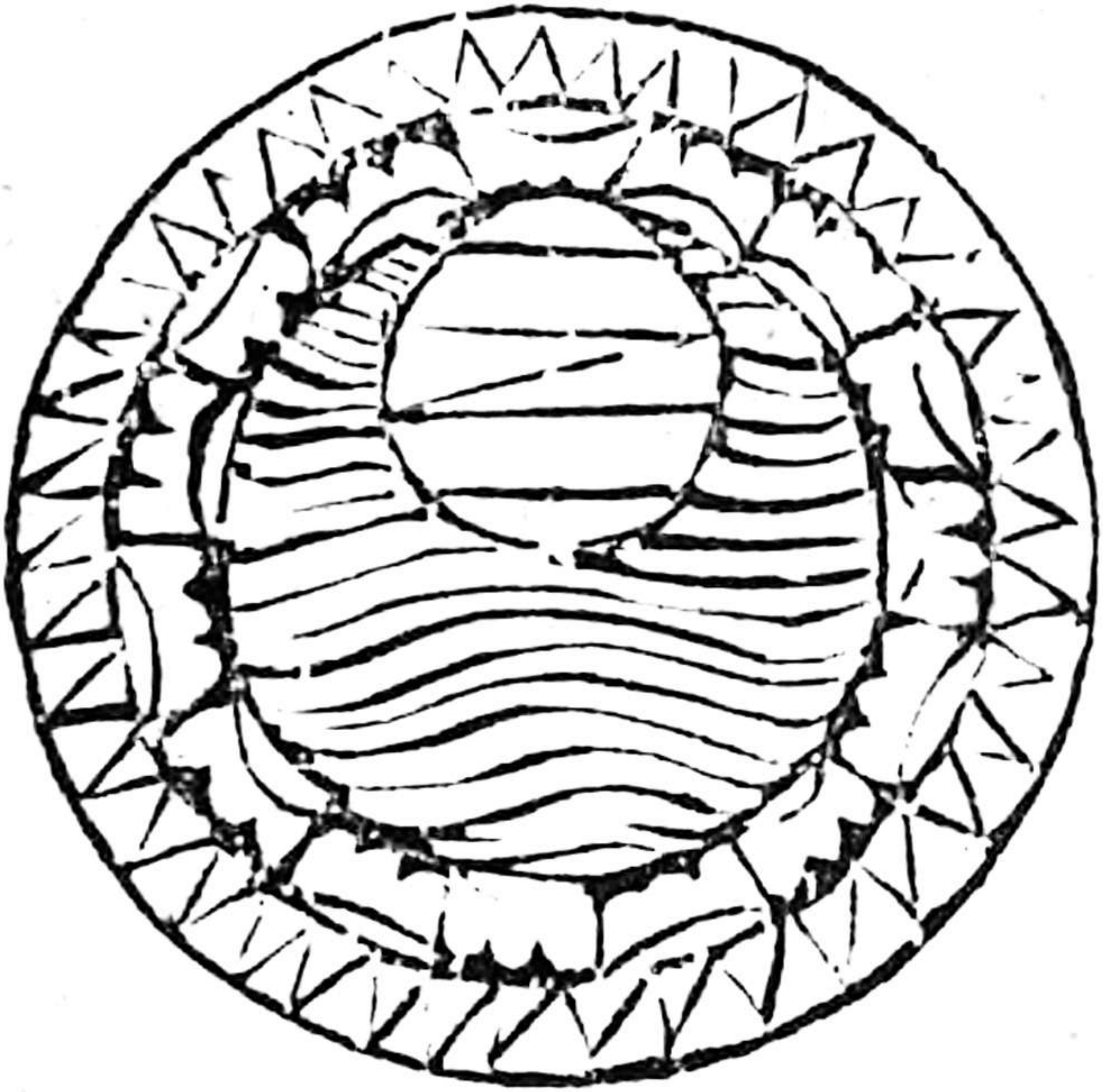
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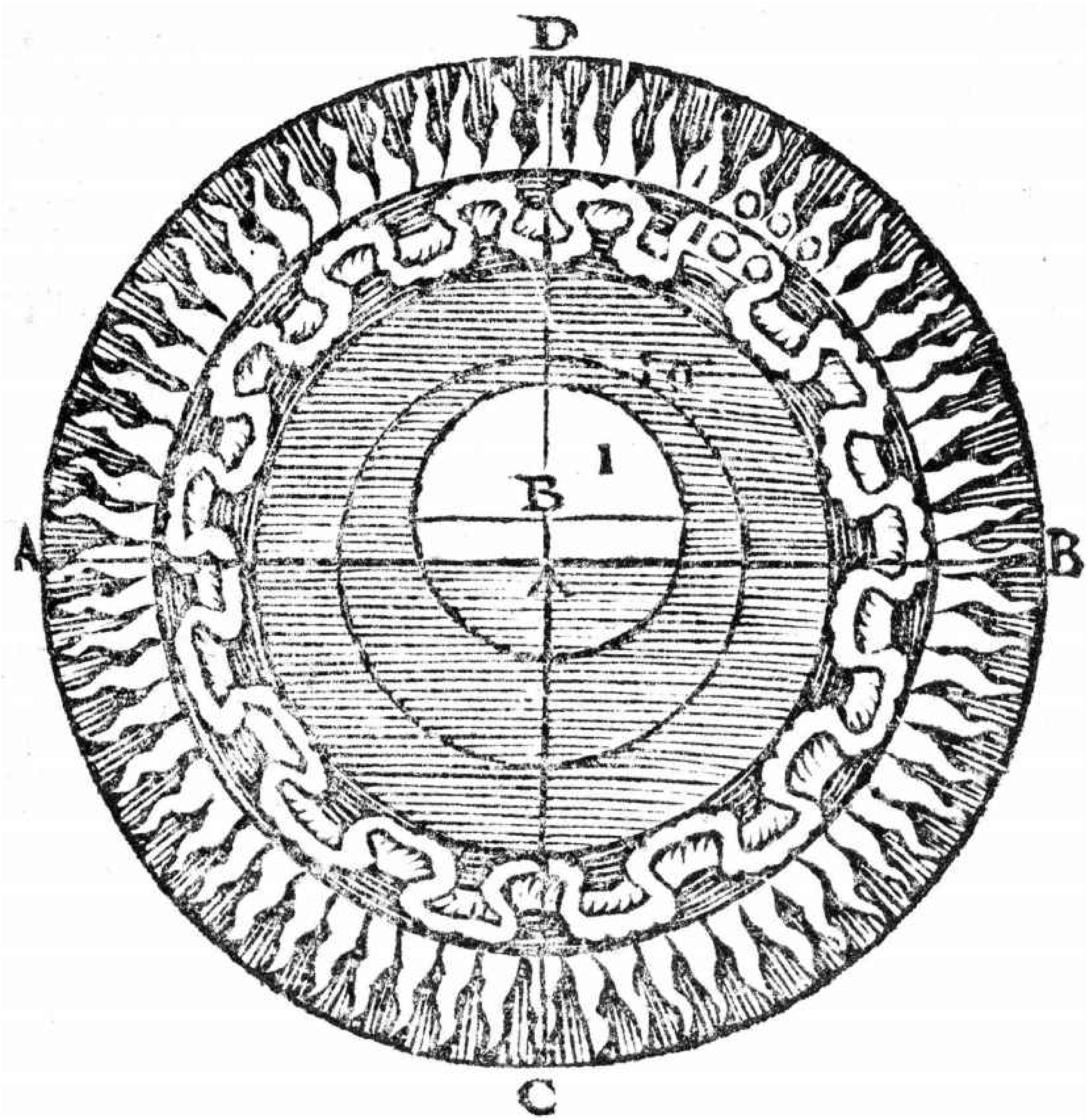
3.[illegible]·[illegible]·[illegible]Francesco di Manfredonia[illegible]1490[illegible]



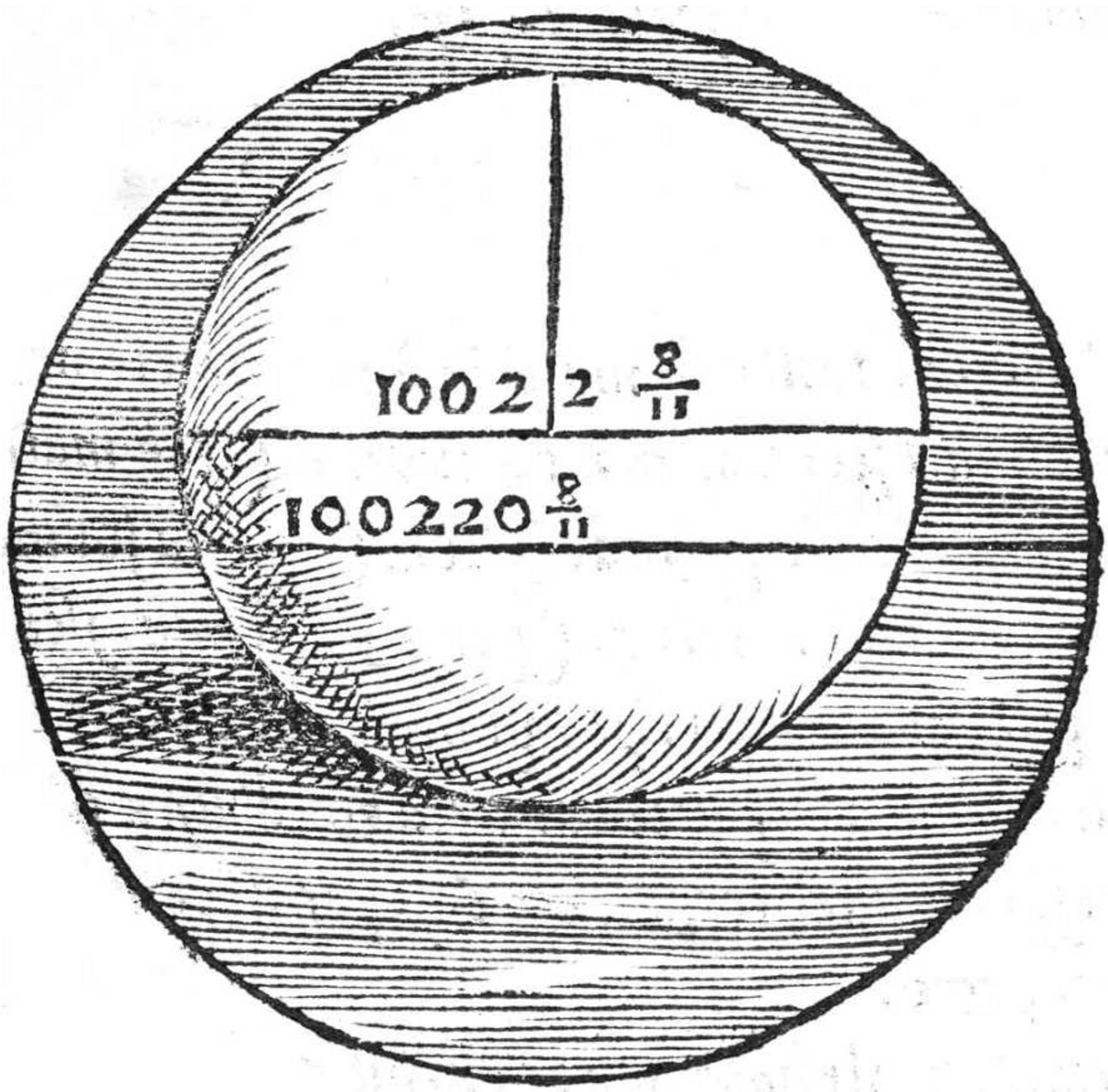
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4.[illegible]·[illegible]Robertus Anglicus[illegible]1271[illegible]14[illegible]John of Jandun[illegible]1286—1328[illegible]·[illegible]Jean Buridan[illegible]1300—1358[illegible]·[illegible]Nicholas Bonet[illegible]1360[illegible]·[illegible]Nicholas

Oresme[illegible]1320—1382[illegible]Albert of Saxony[illegible]1320—1390[illegible]·[illegible]Pierre d’Ailly[illegible]1351—1420[illegible]*Geography*[illegible]1400[illegible]1475[illegible]



[illegible]A[illegible]B[illegible]*Sphera volgare novamente tradotta*[illegible]1537[illegible]10:1[illegible]



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2 8/11
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“”· Robert Grosseteste 1175—1253 · · Andalòdi Negro 1260—1334 · Themo Judaei 14 Marsilius of Inghen 1340—1396 · 15 · · *The Travels of Sir John Mandev ille* 1360

15 1475 1406

1475

2

· · Johannes de Sacrobosco 1220 John of Holywood 1472 200 · Michael Scot 1230 · · · Giambattista Capuano da Manfredonia 1475 [3] · Christoph Clavius 1570 16 1592—1610 1633 *Almagest* 12 — —

[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]John of Wallingford[illegible]1258[illegible]“[illegible]”[illegible]*Dream of Scipio* [illegible]Petrarch[illegible]“*terra* ”[illegible]1400[illegible]/[illegible]1400[illegible]/[illegible]

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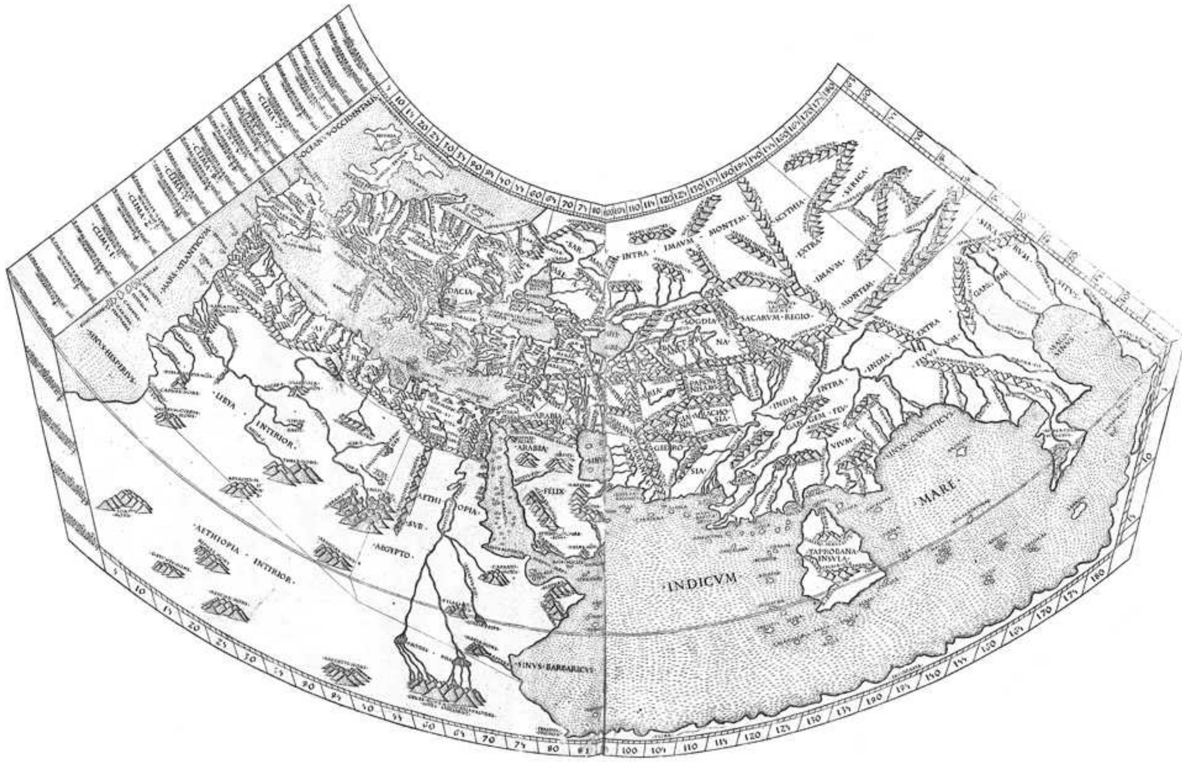
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[illegible][4][illegible]

[illegible]15[illegible]1474/1475[illegible]1443[illegible]“[illegible]”[illegible]Marinus of Tyre[illegible]100—150[illegible]·[illegible]

[illegible]1492[illegible]1493[illegible]·[illegible]Peter Martyr[illegible]“[illegible]”[illegible]1503[illegible]·[illegible]Valentim Fernandes[illegible]·[illegible]·[illegible]PedroÁlvares Cabral[illegible]1500[illegible]“[illegible]”[illegible]1503[illegible]“[illegible]”[illegible]*Mundus novus*[illegible]4[illegible]29[illegible]“[illegible]”[illegible]1/4[illegible]50°[illegible]

[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]



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[illegible]1570[illegible]1581[illegible]/[illegible]

[illegible]·[illegible]·[illegible]Matthias Ringmann[illegible]1507[illegible]

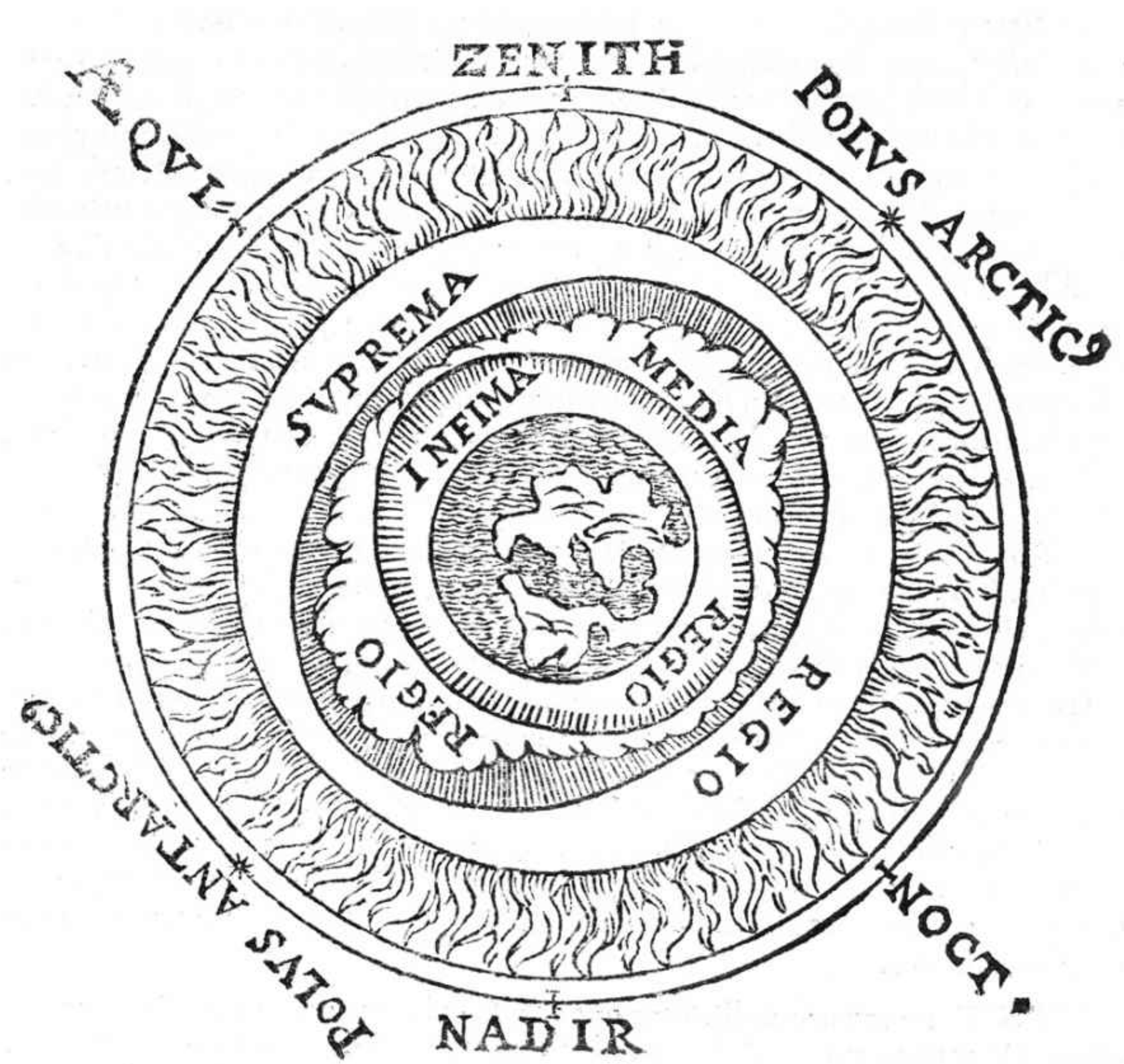
[illegible]*Introduction to Cosmography* [illegible][5] [illegible]“*omnem terrae ambitum* ”[illegible]1/4[illegible]

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[illegible]1507[illegible]1514[illegible]·[illegible]Augustine[illegible][6]



[illegible]·[illegible]·[illegible]*Opusculum de sphaera*[illegible]1518[illegible]3[illegible]4[illegible]



[illegible]1570[illegible]1581[illegible]

1515[illegible]·[illegible]Joachim Vadianus[illegible]“[illegible]”[illegible]*Habes lector*[illegible]“[illegible]”[illegible]*Dear Reader*[illegible]6[illegible]

[illegible]·[illegible]George Tannstetter[illegible]“[illegible]”[illegible]

1531[illegible]·[illegible]Jacob Ziegler[illegible]Melanchthon[illegible]/[illegible]·[illegible]Peter Apian[illegible]1526[illegible]·[illegible]1570[illegible]

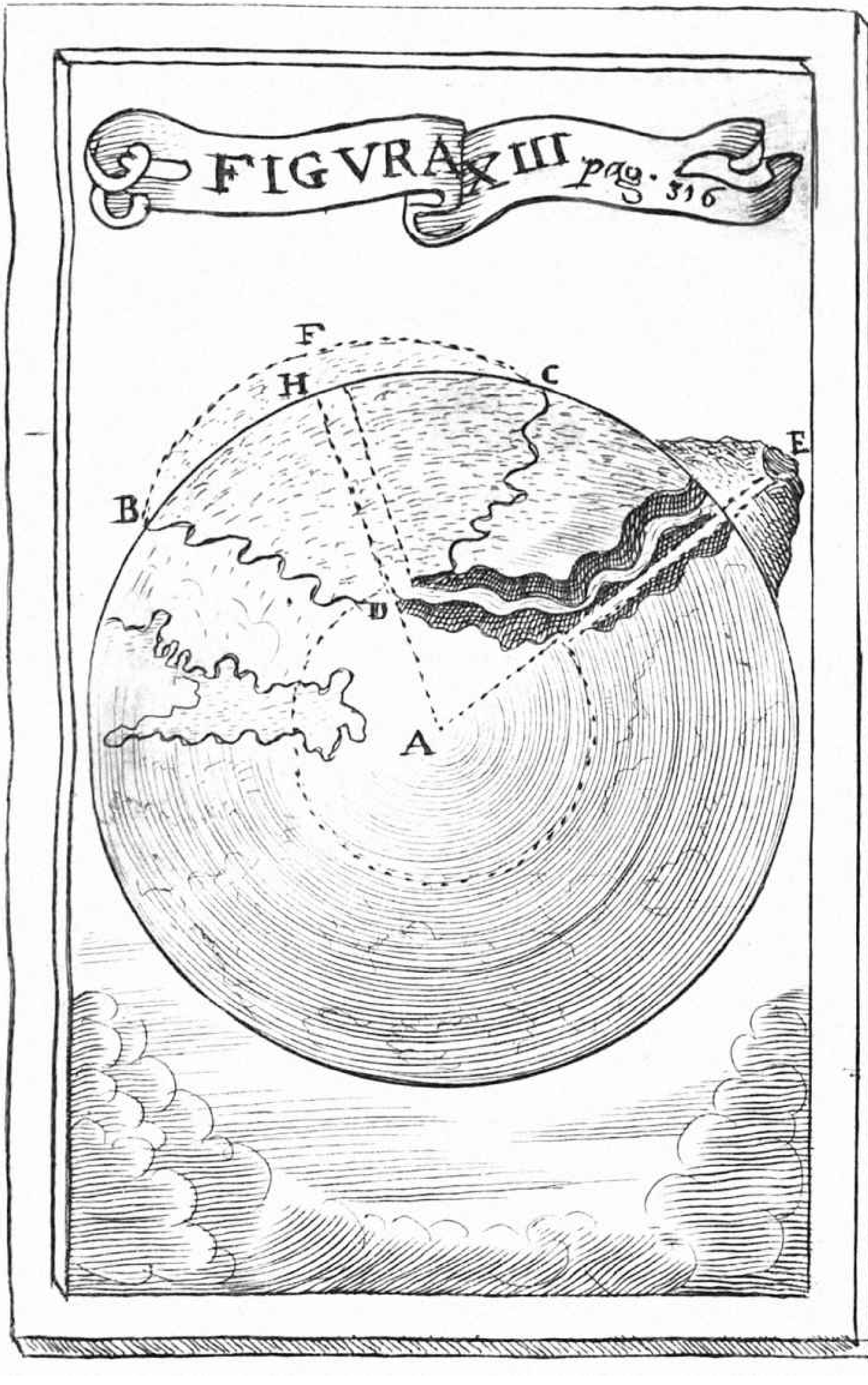


[illegible]·[illegible]……[illegible]·[illegible]……[illegible]（*Sphaera ... per Petrum Apianum ...recognita ac emendata*）（1526）

1538[illegible]“[illegible]”[illegible]1639[illegible]“*Terram cum aqua globum constituere*”[illegible]1538[illegible]

1475[illegible]1550[illegible]·[illegible]Mario Bettini[illegible]1582—1657[illegible]·[illegible]Gaspar Schott[illegible]1608—1666[illegible]F[illegible]BC[illegible]E[illegible]17[illegible] [7] 308[illegible]

1578[illegible]8[illegible]·[illegible]Emanuele Filiberto[illegible]·[illegible]Antonio Berga[illegible]10[illegible]·[illegible]·[illegible]“[illegible]”[illegible] [8]


FIGVRA XIII pag. 316
F
H
C
E
B
D
A

[illegible]—[illegible]*Anatomia physico-hydrostatica fontium ac fluminum*[illegible]1663[illegible]

[illegible]“*altera orbis terrarum*”[illegible]Oviedo[illegible]·[illegible]·[illegible]·[illegible]·[illegible]·[illegible]Gonzalo Fernández de Oviedo y Valdé[illegible]1535[illegible]“*Altera orbis terrarum*”[illegible]

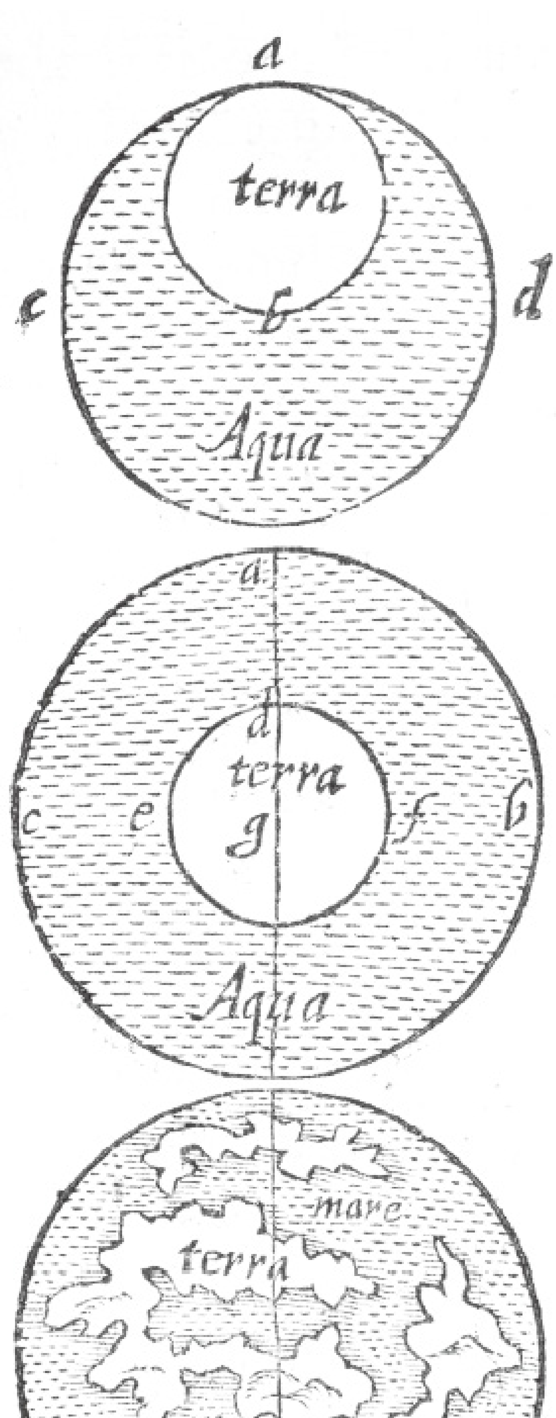
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[illegible]1/10[illegible]*Old Testament*[illegible]

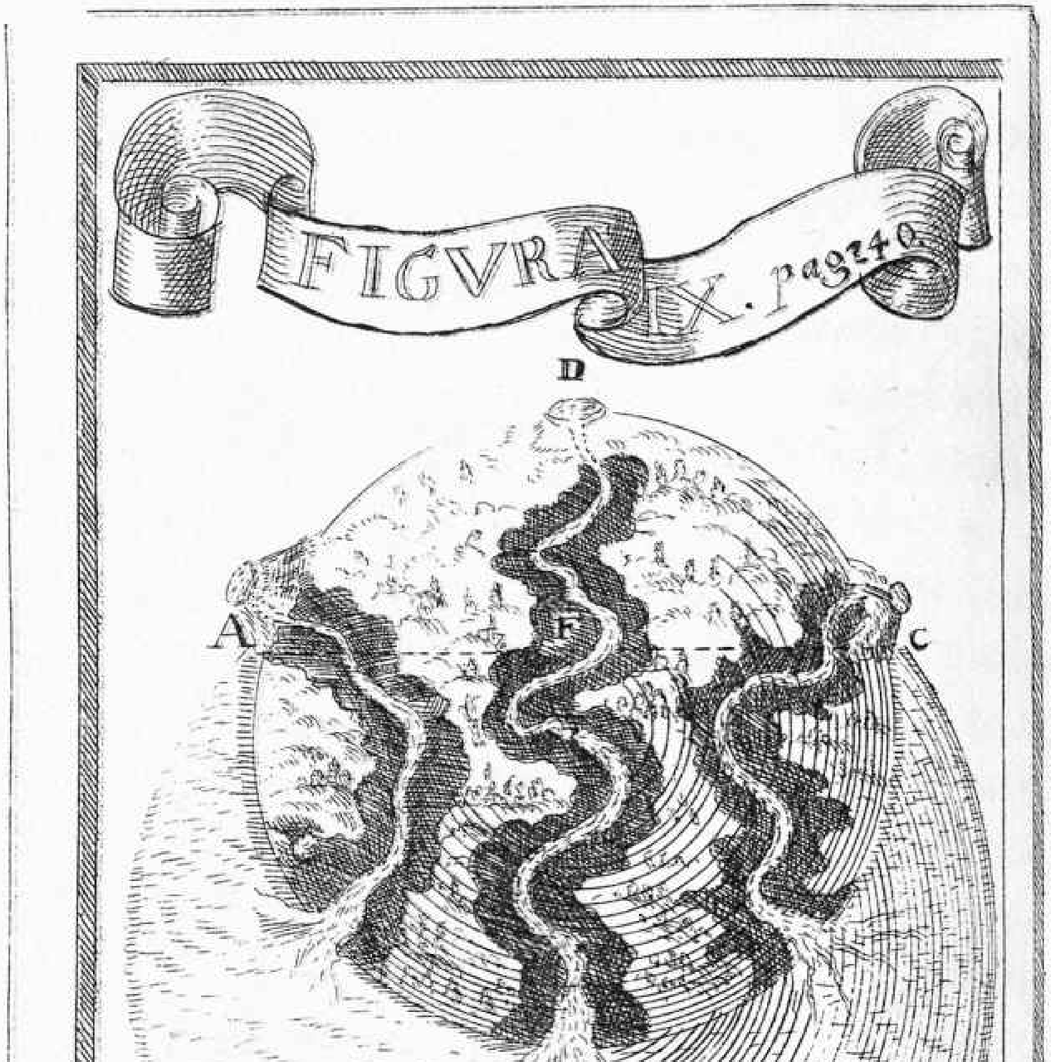
[illegible]·[illegible]

[illegible]*an sit*[illegible]*propter quid*[illegible][9][illegible]·[illegible]·[illegible]·[illegible]1543[illegible]

[illegible]14[illegible]16[illegible]·[illegible]·[illegible]



[illegible]·[illegible]1596[illegible]1/10[illegible]


FIGURA IX. pag. 240.
D
A
F
C
E
B

[illegible]—[illegible]1663[illegible]

[illegible]13[illegible] [10] [illegible] [11] [illegible]1507[illegible]

3

1543[illegible]24[illegible]10[illegible]“[illegible]”[illegible]—[illegible]

[illegible]1543[illegible]1514[illegible]“[illegible]”[illegible]*Commentariolus*[illegible]*Little Commentary*[illegible]

[illegible]·[illegible]Edward Rosen[illegible]1507[illegible]·[illegible]John Ruysch[illegible]1507—1543[illegible]“*centrum*

terrae non esse centrum mundi,sed tantum gravitatis et orbis Lunaris ”[illegible]“[illegible]”[illegible]“*Centrum terrae esse centrum gravitatis* ”[illegible]”[illegible]1514[illegible]1515[illegible]

[illegible]“*Alius telluris motus est quotidianae revolutionis et hic sibi maxime proprius in polis suis secundum ordinem signorum hoc est ad orientem labilis,per quem totus mundus praecipiti voragine circumagi videtur* [illegible]*sic quidem terra cum circumfluis aqua et vicino aere volvitur* [illegible]”[illegible]“[illegible]”

[illegible]“*terra cum circumfluis aqua et vicino aere volvitu* ”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]1507[illegible]1508[illegible]·[illegible]Lawrence Corvinus[illegible]“[illegible]”[illegible]14[illegible]1543[illegible]·[illegible]“[illegible]”[illegible]

[illegible]·[illegible]

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“ ”

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·Gregor Reisch1496

“ ”



set octaua, diameter eius nō posset esse maior, quàm quæ ex centro ad circumferentiam aquarum: tantū abest, ut etiā decies maior sit aqua. Quòd etiam nihil intersit inter centrum grauitatis terræ, & centrum magnitudinis eius: hinc accipi potest, quòd conuexitas terræ ab oceano expaciata, non continuo semper intumescit abscessu, alioq; arceret quàm maxime aquas marinas, nec aliquo modo sineret interna maria, tamq; uastos sinus irrumpere. Rursum à littore oceani non cessaret aucta semper profunditas abyssi, qua propter nec insula, nec scopulus, nec terrenum quidpiam occurreret nauigantibus longius progressis. Iam uero constat inter Ægyptium mare Arabicumq; sinum uix quindecim superesse stadia in medio ferè orbis terrarum. Et uicissim Ptolemæus in sua Cosmographia ad medium usq; circulum terram habitabilem extendit, relicta insuper incognita terra, ubi recētiores Cathagyam & amplissimas regiones, usq; ad LX. longitudinis gradus adiecerunt: ut iam maiori longitudine terra habitetur, quàm sit reliquum oceani. Magis id erit clarum, si addantur insulæ ætate nostra sub Hispaniarum Lusitaniæq; Principibus repertæ, & præsertim America ab inuentore denominata nauium præfecto, quam ob incompertam eius adhuc magnitudinem, alterū orbem terrarum putant, præter multas alias insulas antea incognitas, quo minus etiā miremur Antipodes siue Antichthones esse. Ipsam enim Americam Geometrica ratio ex illius situ Indiæ Gangeticæ è diametro oppositam credi cogit. Ex his demum omnibus puto manifestum, terrā simul & aquā uni centro grauitatis inniti, nec esse aliud magnitudinis terræ, quæ cū sit grauior, dehiscētes eius partes aqua expleri, & idcirco modicam esse cōparatione terræ aquam, etsi superficietenus plus forsitan aquæ appareat. Talem quippe figurā habere terram cum circumfluentibus aquis necesse est, qualem umbra ipsius ostendit: absoluti enim circuli circumferentijs Lunā deficiētem efficit. Non igitur plana est terra, ut Empedocles & Anaximenes opinati sunt: neq; Tympanoides, ut Leucippus: neq; Scaphoides, ut Heraclitus: nec alio modo caua, ut Democritus. Neq; rursus Cylindroides ut Anaximāder: neq; ex inferna parte infinita radicitus crassitudine submissa, ut Xenophanes, sed rotūditate absoluta, ut Philosophi sentiūt.

[illegible]10[illegible]·[illegible]Noel Malcolm[illegible]

[illegible]·[illegible]Michael Shank[illegible]1508[illegible]·[illegible]1499[illegible]1501—1503[illegible]

[illegible]1508[illegible]·[illegible]

[illegible]*First Narration*[illegible]1540[illegible]·[illegible]Celio Calcagnini[illegible]1541[illegible]1542/1543[illegible]

[illegible]1583[illegible]·[illegible]

[illegible]·[illegible]·[illegible]·[illegible]Philotheus Jordanus Brunus Nolanus[illegible]

[illegible]“*chentrum* ”“*chirculus* ”“*circumferenchia* ”[illegible]20[illegible]·[illegible]George Abbott[illegible]“[illegible]”

[illegible]40[illegible]·[illegible]Girolamo Fracastoro[illegible]1477—1553[illegible]

[illegible]

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Erasmus Reinhold 1511—1553 · Michael Maestlin 1550—1631 · 1546—1601 · 1538—1612 · Giovanni Magini 1555—1617

1543 1566

Osiander

1583 · Christoph Rothmann · 1585 · 1576 [12]

Ficino [13] *The Ash Wednesday Supper* 18 6 [14] *Il candelaio* , 1582

[illegible]

[illegible]“[illegible]”[illegible]310—[illegible]230[illegible]

[illegible]*On Learned Ignorance*[illegible]1440[illegible]Nicholas of Cusa[illegible][15][illegible]

[illegible][16][illegible]

1585[illegible]1592[illegible]1600[illegible]2[illegible]17[illegible]8[illegible][17] [illegible]

[illegible]50[illegible]1949[illegible]Bellarmine[illegible]1616[illegible] [18]

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[illegible]·[illegible]1576[illegible]Leonard[illegible]*A Prognostication Everlasting*[illegible]6[illegible]1555[illegible]13[illegible]1619[illegible]358463[illegible]576890[illegible]

[illegible]17[illegible]40[illegible]8[illegible]3[illegible]1605[illegible]18[illegible]

[illegible]1934[illegible]1576[illegible]

[illegible]·[illegible]7[illegible]

1576[illegible]1573[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible][19][illegible]

[illegible][20]

ratione salua manente, nemo enim conuenientiore allegabit
q[uam] ut magnitudine orbium multitudo t[em]p[or]is metiatur) ordo sphae-
rarum sequitur in hunc modum: a summo capientes initium.



Prima et suprema omnium est stellarum fixarum sphaera se ipsam et omnia continens ideoque immobilis nempe universi locus ad quem motus et positio ceterorum omnium syderum conferatur. Nam quod aliquo modo illam etiam mutari existimant aliqui: nos aliam, cur ita appareat in deductione motus terrestris assignabimus causam. Sequitur errantium primus Saturnus: qui xxx anno suum complet circuitum post hunc Jupiter duodecennali revolutione mobilis. Deinde Mars qui biennio circuit. Quartum in ordine annua revolutio locum optinet: in quo terra cum orbe Lunari tamquam epicyclio contineri diximus. Quinto loco Venus nono mense reducitur

[illegible]1543[illegible]

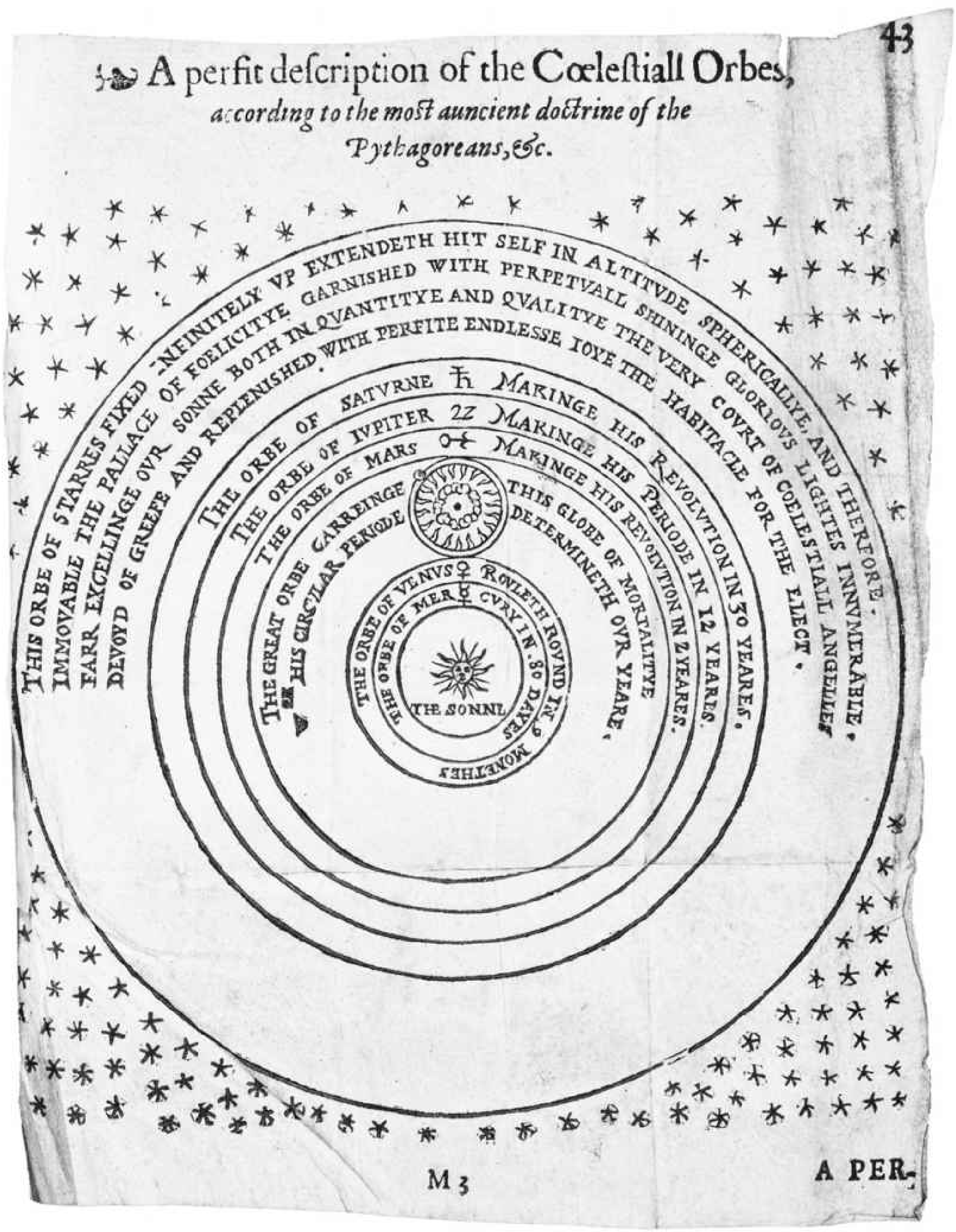
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[illegible]·[illegible]21600[illegible]34761.8[illegible]900[illegible]1448.4[illegible]30[illegible]48.3[illegible]/[illegible]900[illegible]1448.4[illegible]/[illegible]·[illegible]

[illegible]“[illegible]”[illegible]

[illegible]Marlowe[illegible]*Doctor Faustus*[illegible]1592[illegible]Mephistopheles[illegible]“[illegible]”[illegible]“[illegible]”[illegible]*The Zodiake of Life*[illegible]1536[illegible]·[illegible]·[illegible]Marcello

Palingenio Stellato□□□□□□□11□□□□□□□□□“□□□□□□□□□□”□□□□□□
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[illegible]—[illegible]1596[illegible]1576[illegible]

[illegible]“[illegible]”[illegible]1561[illegible]“[illegible]”[illegible]1565[illegible]“[illegible]”[illegible]1576[illegible]

[illegible]1585[illegible]·[illegible]·[illegible]*Star Trek*[illegible]“[illegible]”[illegible]

[illegible]·[illegible]1544—1603[illegible]

[illegible]*On the Universe*[illegible]1603[illegible]16[illegible]90[illegible]1651[illegible]“[illegible]”[illegible]

[illegible]1572[illegible]

[illegible]·[illegible]

[illegible]

[illegible]“*physica*”[illegible]“*physiologia*”[illegible]17[illegible]17[illegible]80[illegible]

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[1] [illegible]“cosmographers”[illegible]“cosmography”[illegible]“cosmology”[illegible]16[illegible]

[2] [illegible]18[illegible]Vallisneri[illegible]“Lezione accademica intorno all’origine dellefontane”[illegible]1715[illegible]

[3] [illegible]

[4] [illegible]3[illegible]18[illegible]180°[illegible]

[5] [illegible]6[illegible]

[6] [illegible]1505—1508[illegible]·[illegible]·[illegible]Duarte Pacheco Pereira[illegible]Morison[illegible]Portuguese Voyages to America[illegible]1940[illegible]132—135[illegible]“[illegible]

[illegible]”[illegible]

[7] [illegible]1618[illegible]Kepler[illegible]Epitome astronomiae Copernicanae [illegible]1635[illegible]26—27[illegible]Froidmont[illegible]Meteorologicorum libri sex[illegible]1627[illegible]

[8] [illegible]·[illegible]Agostino Michele[illegible]Agostino Michele[illegible]Trattato della grandezza dell’acqva et della terra [illegible]1583[illegible]13[illegible]Benedetti[illegible]Consideratione [illegible]1579[illegible]14[illegible]

[9] [illegible]·[illegible]·[illegible]“[illegible]”[illegible]Goldstein[illegible]“Theory and Observation”[illegible]1972[illegible]47[illegible]1492[illegible]

[10] [illegible]

[11] [illegible]16[illegible]

[12] 25[illegible]1608[illegible]1572[illegible]

[13] [illegible]·[illegible]16[illegible]70[illegible]“[illegible]……”[illegible]Goulding[illegible]“Henry Savile and the Tychonic World-system”[illegible]1995[illegible]153[illegible]

[14] La Cena de le Ceneri [illegible]1584[illegible]De la causa, principio, et uno [illegible]1584[illegible] De l’infinito universo et mondi [illegible]1584[illegible] Spaccio de la Bestia Trionfante [illegible]1584[illegible] Cabala del cavallo Pegaseo–Asino Cillenico [illegible]1585[illegible] De gli heroici furori [illegible]1585[illegible]

[15] [illegible]1616[illegible]·[illegible]Berkel[illegible]Isaac Beeckman[illegible]2013[illegible]98—99[illegible]

[16] [illegible]Oresme[illegible]LeLivre du ciel et du monde [illegible]1968[illegible]315—355[illegible]1377[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Opera aliquot[illegible]1544[illegible]391[illegible]16[illegible]

[17] [illegible]1616[illegible]1758[illegible]1822[illegible]

[18] [illegible]·[illegible]Al-Battani[illegible]858—929[illegible]Witelo[illegible]1230—1290[illegible]Horrocks[illegible]Venus Seen on the Sun [illegible]2012[illegible]73[illegible]

[19] [illegible]“orbium coelestium”[illegible]Gingerich[illegible]An Annotated Census[illegible]2002[illegible]xvi[illegible]32[illegible]135[illegible]153[illegible]209[illegible]Copernicus[illegible]On the Revolutions[illegible]1978[illegible]333—334[illegible]“sphaera”[illegible]“orbis”[illegible]Epitome astronomiae Copernicanae[illegible]“De doctrina sphaerica” [illegible]Barker[illegible]“[illegible]”[illegible]Barker[illegible]“Copernicus[illegible]the Orbs and the Equant”[illegible]

1990[illegible]/[illegible]

[20] [illegible]Kren[illegible]“The Rolling Device”[illegible]1971[illegible]

[illegible]2[illegible] [illegible]

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[illegible]*The Anatomical History*[illegible]1653[illegible]

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[illegible]13[illegible]500[illegible]500[illegible]500[illegible]500[illegible]500[illegible]“[illegible]”[illegible]

[illegible]“*scuola d’abaco* ”[illegible]

[illegible]1585—1589[illegible]1585[illegible]1589[illegible]——

[illegible]……[illegible]……[illegible]

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· Ostilio Ricci 1401—1413 · 1494 Lorenzo the Magnificent · Antonio Manetti 15 80 23

12 0.01

[1] · Ambrogio Lorenzetti 1344 *Annunciation* [2]

1550 20 1435 *On Painting* 1418 1413 1425 1425

11 · Ibn al-Haytham Alhazen “ ” “ ” “ ”

Giotto 1266—1337 “ ” “ ” *Annunciation of St Anne* [3]

1402—1404

“ ” 1461 23 “ ”

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… *cuius ego usum nunc primum adinveni* … “ … ” … “*primum adinveni* ” … “ … ” … 1435 … Vignole … 16 …

… “ … ” … “ … ” … “*perspicere* ” … “ … ” …

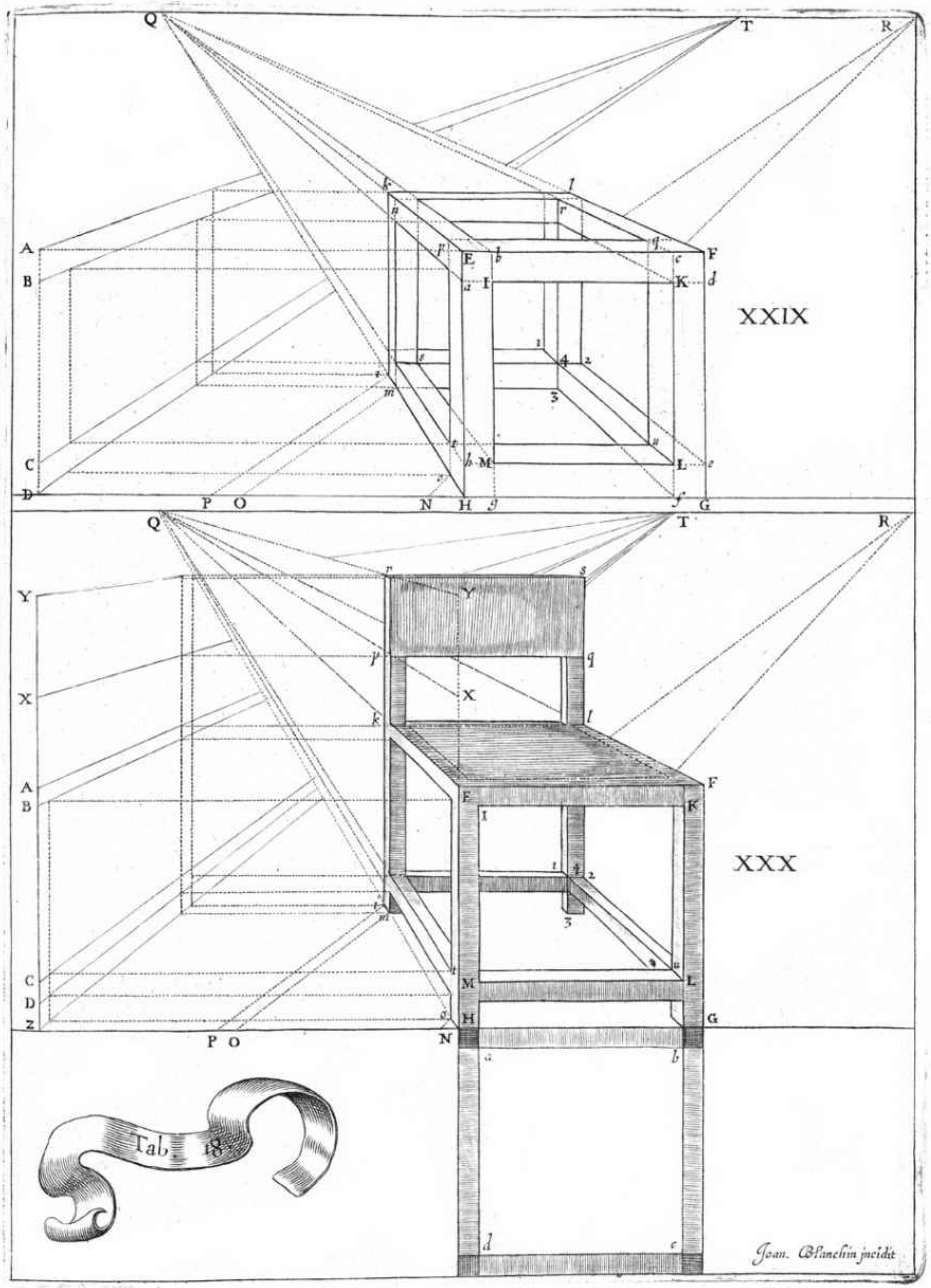
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[illegible]20[illegible]*The Trinity*[illegible]1425[illegible][4][illegible]/[illegible]

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[illegible]Father Niceron[illegible]*Curious Perspective*[illegible]1652[illegible]Holbein[illegible]*Ambassadors*[illegible]

[illegible]17[illegible]17[illegible]


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XXX
Tab. 18
Joan. Blanchin incidit

[illegible]1652[illegible]

[illegible]·[illegible]Luca Pacioli[illegible]*On Divine Proportion*[illegible]1509[illegible]·[illegible]Ludovico Sforz[illegible]1499[illegible]12[illegible]12[illegible]26[illegible][5][illegible]

[illegible][6][illegible][7]

[illegible]·[illegible]·[illegible]Jacopo de’Barbari[illegible]“Iaco.Bar.Vigennis.P.1495”[illegible]·[illegible]·[illegible]1495[illegible]20[illegible][8][illegible]“P.”[illegible]“*pictum* ”[illegible]“*pincit* ”[illegible]20[illegible]“Giacomo”[illegible]“Bar”[illegible]Bardi[illegible]Barozzi[illegible]Bartolini[illegible]Bartolozzi[illegible]·[illegible]·[illegible]Guidobaldo da Montefeltro[illegible]“Iaco.Bar.”[illegible]

[illegible]·[illegible]Castiglione[illegible]*Courtier*[illegible]1528[illegible]1507[illegible]

Piero della Francesca *The Abacus Treatise* 5 *The Short Book on the Five Regular Solids* *On Perspective for Painting* 12 *A Compendium of Arithmetic,Geometry,Proportions and Proportionality* 1494

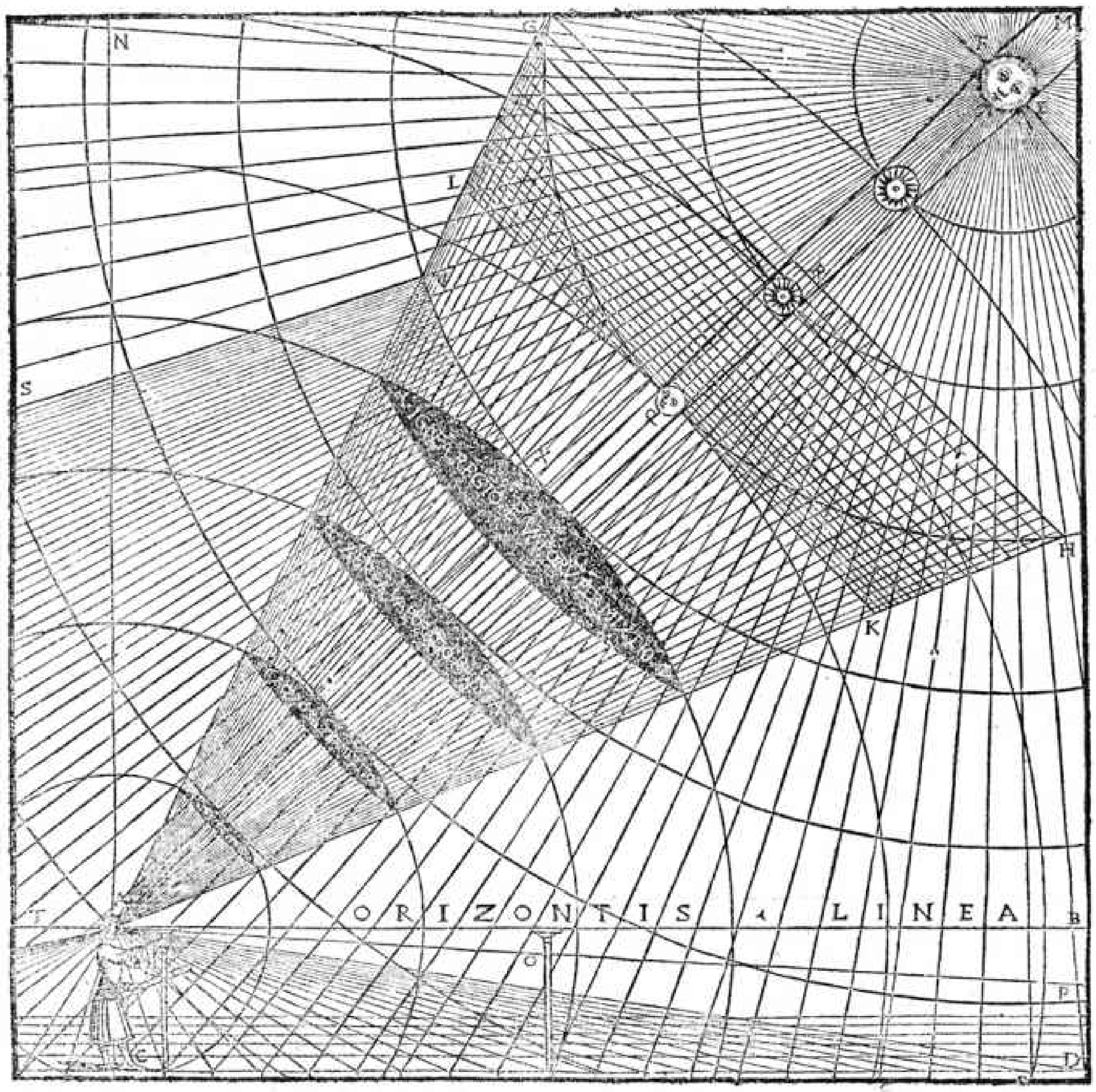
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1715 *il punto del centro* “ ”

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Cesare Cesariano T M

[illegible] *Tribute Money* [illegible]



[illegible] *De architectura* [illegible]1521[illegible]·[illegible]

[illegible] *The Song of Songs* [illegible]“[illegible]”[illegible]

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[illegible]·[illegible]*Annunciation*[illegible]
[illegible][9]

[illegible][10][illegible]1480—1484[illegible]·[illegible]Fra Carnevale[illegible]Uccello[illegible]*Hunt by Night*[illegible]

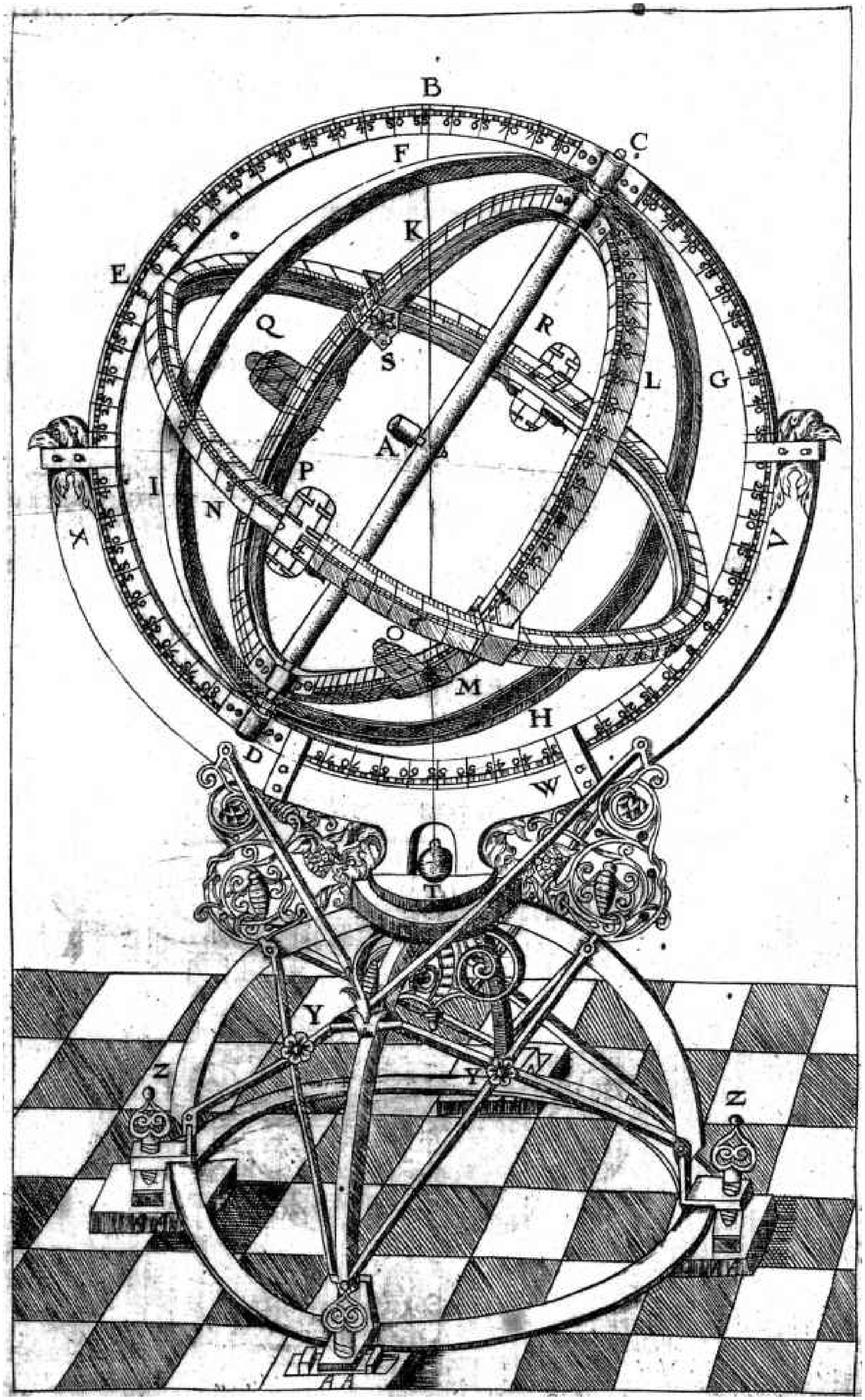
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[illegible]1560[illegible]·[illegible]·[illegible]1452—1519[illegible]15[illegible]

[illegible]d’Alembert[illegible]*Encyclopaedia*[illegible]1751—1772[illegible]1602[illegible]·[illegible]*Instruments for the Restoration of Astronomy*[illegible]17[illegible]70[illegible]

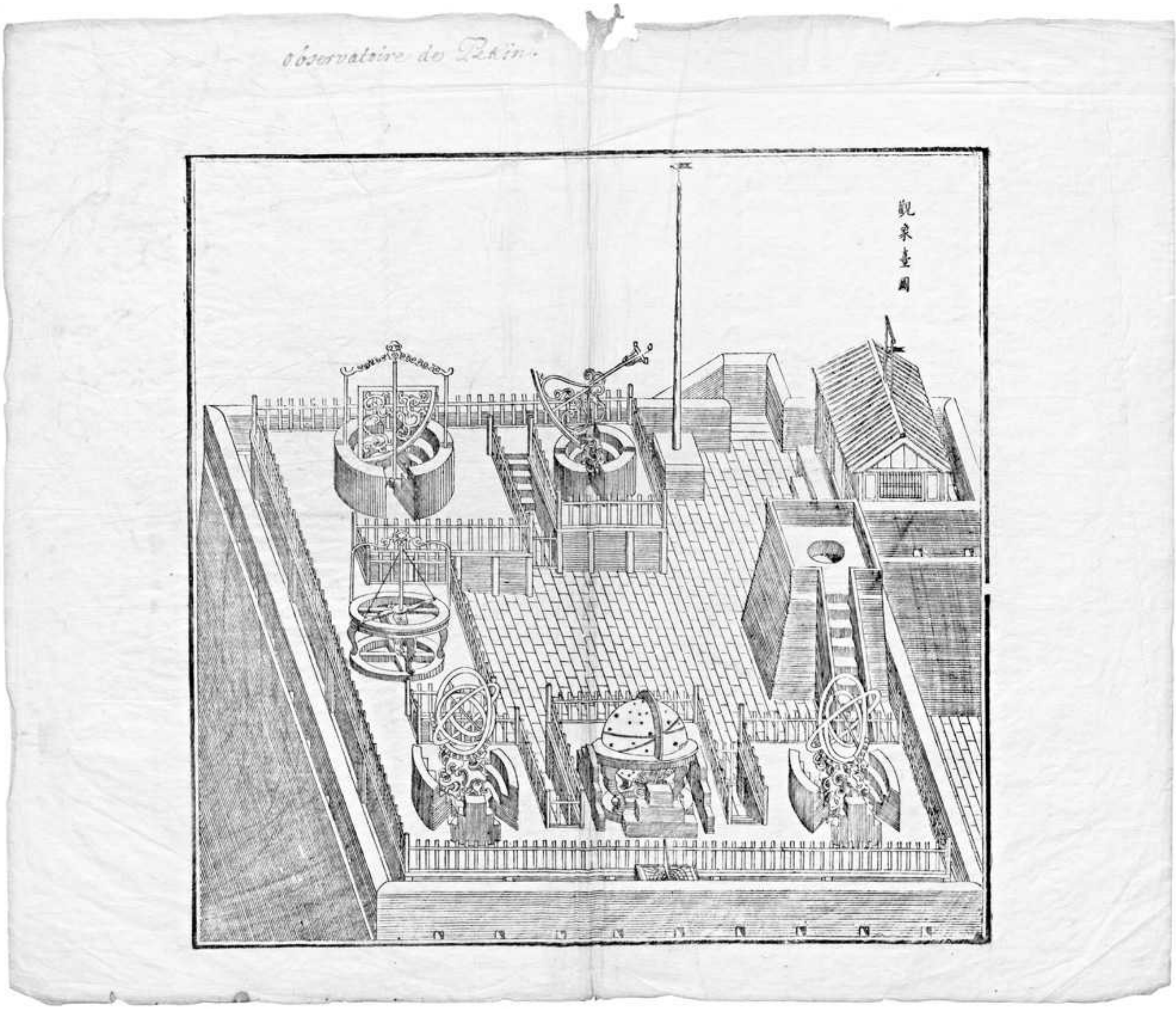
[illegible]Ferdinand Verbiest[illegible]
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[illegible]·[illegible]*Astronomiae instauratae mechanica*（1598）[illegible]

[illegible]·[illegible]1543[illegible]

[illegible]·[illegible]·[illegible]（Mondino de Liuzzi，1270—1326）[illegible]“[illegible]”[illegible]·[illegible]·[illegible]·[illegible]（Jacopo Berengario da Carpi）[illegible]*Anatomy*（1535）[illegible]



[illegible]*Xinzhi Yixiangtu*[illegible]“pictures of newly made instruments”[illegible]1668—1674[illegible]

[illegible][11]408[illegible]

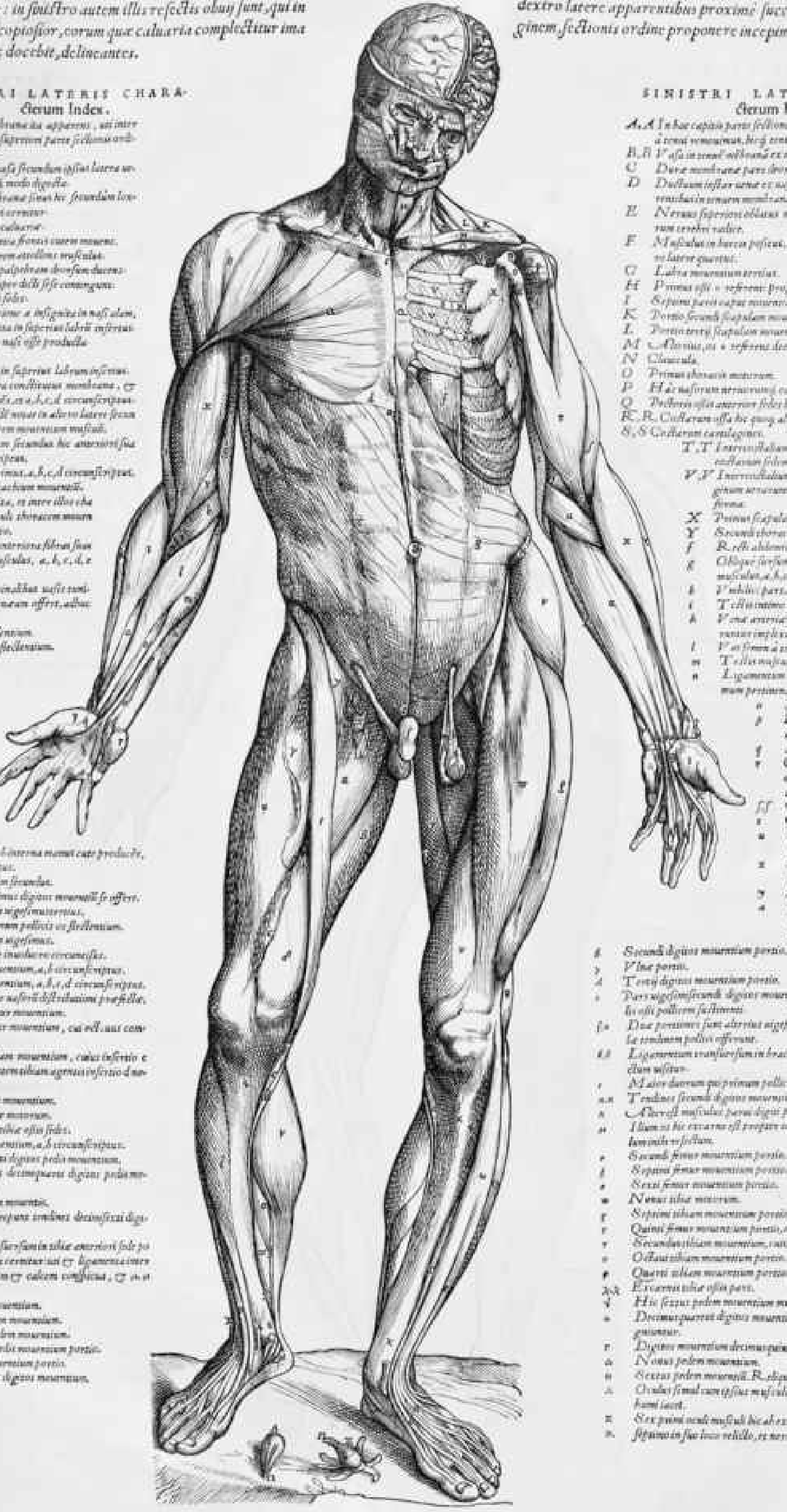
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□*Historiae animalium*□□1551—1558□□□□□□□□□□□□□□□□□□□
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PRIMA FIGVRA EARVM QVAS OSTENDENDIS MVSCVLIS POTISSIMVM PARAVIMVS, IN CVIVS DEXTRO LATERE MVSCVLI MOX SVB CVTE RECONDITI, ANTERIORI IN

facie conspiciuntur: in sinistro autem illis resectis obuij sunt, qui in dextro latere apparentibus proximè succumbunt. Vt verò præsens figura redderetur copiosior, eorum quæ caluaria complectitur imaginem, sectionis ordine proponere incepimus, humi oculi musculos, uti characterum index docebit, delineantes.



DEXTRI LATERIS CHARACterum Index.

A, A Dura cerebri membrana ita apparens, uti inter secandum caluariæ superiori parte sectionis orbe ablata, occurrit.
B, B Duræ membranæ uasa secundum ipsius latera unà [illegible]
C, C Tertius duræ membranæ sinus hic secundum longitudinem [illegible]
D Circulus ille os est caluariæ.
E Musculosa substantia frontis cutem mouens.
F Palpebram superiorem attollens musculus.
G Musculus eandem palpebram deorsum ducens.
H Hic duo musculi nuper dicti sese contingunt.
I Temporalis musculi sedes.
K Musculus una portione a insignita in nasi alam, altera verò b indicata in superius labrū inserens.
L Cartilago ab altero nasi osse producta.
M Dextra nasi ala.
N Musculus à malis in superius labrum inserens.
O Musculus ex carnea constitutus membrana, & labra & buccas mouens [illegible]
P Brachium mouentium secundus hic anteriori sua sede a, b, c circumscriptus.
Q Brachij mouentium primus, a, b, c, d circumscriptus.
R Portio est quarti brachium mouentis.
S, S Sedes S, S insignita, et inter illos characteres media musculi thoracem mouentium secundi est portio.
T Deorsum obliquè in anteriora fibras suas ducens abdominis musculus, a, b, c, d, e circumscriptus.
V Testis unà cum seminalibus uasis tunica, quam ipsi peritonæum offert, adhuc obductus.
X Prior cubitum flectentium.
Y, Y Posterior cubitum flectentium.

[illegible]

SINISTRI LATERIS CHARACterum Index.

A, A In hac capitis parte sectionis ordine duram cerebri membranam à tenui remouimus, hic tenuis cerebri uisitur membrana.
B, B Vasa in tenui membrana ex tertio duræ membranæ sinu deprompta.
C Duræ membranæ pars deorsum à tenui reflexa.
D Ductum instar uenæ ex uasis per duræ membranæ latera exporrectis [illegible]
E Neruus superiori obductus maxillæ, à minori tertij paris neruorum cerebri radice.
F Musculus in buccis positus, ac buccas labraq; mouentium in dextro latere quartus.
G Labra mouentium tertius.
H Primus ossi υ referenti proprior.
I Septimi paris caput mouentium alter.
K Portio secundi scapulam mouentium.
L Portio tertij scapulam mouentium.
M Alterius, os υ referens deorsum in latera trahentium portio.
N Clauicula.
O Primus thoracis motorum.
P Hæc uasorum utriusque copia axillam petit.
Q Pectoris ossis anterior sedes hoc latere deducta cernitur.
R, R Costarum ossa hic quoq; aliqua ex parte nuda uisuntur.
S, S Costarum cartilagines.
T, T Intercostalium musculorum externorum inter ossa costarum sedem obtinentium imago.
V, V Intercostalium musculorum externorum in cartilaginum serratum costarum intervallis conspicuorum forma.
X Primus scapulam mouentium, a, b, c circumscriptus.
Y Secundi thoracem mouentium portio.
f Recti abdominis musculi portio.
g Oblique sursum suas fibras exporrigens abdominis musculus, a, b, c circumscriptus.
h Vmbilici pars.
i Testis intimo ipsius inuolucro obductus.
k Vena arteriaq; seminalium antequam testi inserantur implexus.

[illegible]

OMNIVM

[illegible]1543[illegible]

[illegible]·[illegible]Leonhart Fuchs[illegible]*On the History of Plants*[illegible]1542[illegible]512[illegible]

[illegible]

[illegible]“[illegible]”[illegible]

6

1464[illegible]·[illegible]Johannes Müller[illegible]Regiomontanus[illegible]·[illegible]16[illegible]1464[illegible]*On All Sorts of Triangles*[illegible]Diophantus[illegible]210—[illegible]290[illegible]

[illegible]10[illegible]1482[illegible]1533[illegible]1543[illegible]1570[illegible]

[illegible]“[illegible]1000[illegible]”[illegible]

[illegible]“[illegible]……[illegible]”[illegible]17[illegible]20[illegible]15[illegible]60[illegible]“[illegible]”[illegible]

1471[illegible]·[illegible]·[illegible]Levi ben Gerson[illegible]1328[illegible]1594[illegible] [13]

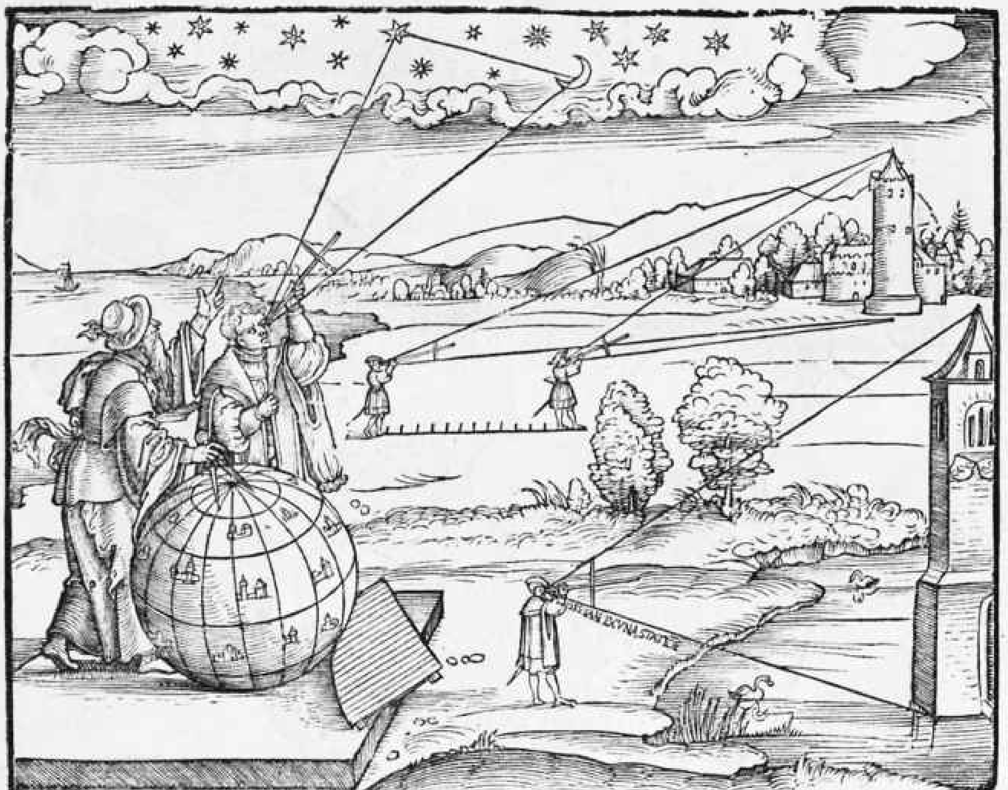
INTRODVCTIO

GEOGRAPHICA PETRI APIANI IN DOCTISSIMAS VERneri Annotationes, cõtinens plenum intellectum & iudicium omnis operationis, quæ per sinus & chordas in Géographia confici potest, adiuncto Radio astronomico cum quadrante nouo Meteoroscopii loco longe vtilissimo.

HVIC ACCEDIT Translatio noua primi libri Géographiæ CL. Ptolemæi, Translationi adiuncta sunt argumenta & paraphrases singulorũ capitum: libellus quóq; de quatuor terrarum orbis in plano figurationib· Authore Vernero.

LOCVS etiam pulcherrimus desumptus ex fine septimi libri eiusdem Géographiæ Claudii Ptolemæi de plana terrarum orbis descriptione iam olim & à veterib· instituta Géographis, vnà cum opusculo Amirucii Constantinopolitani de iis, quæ Géographiæ debent adesse.

ADIVNCTA est & epistola IOANNIS de Regio monte ad Reuerendissimum patrem & Dominum D. Bessarionem Cardinalem Nicenum, atq; patriarcham Constantinopolitanum, de compositione & vsu cuiusdam Meteoroscopii armillaris, Cui recens iam opera PETRI APIANI accessit Torquetum instrumentum pulcherrimũ sanè & vtilissimum.



Cum Gratia & Priuilegio Imperiali.

[illegible]·[illegible]Petrus Apianus[illegible]*Introductio geographica*[illegible]1533[illegible]

[illegible]

[illegible]

[illegible]

[illegible]1/4[illegible]

[illegible]1471[illegible]

[illegible]1471[illegible]1531[illegible]1548[illegible]1472[illegible]6°[illegible]1°[illegible]

[illegible]·[illegible]Eberhard Schleusinger[illegible]16[illegible]16[illegible]1471[illegible]1532[illegible]·[illegible]Johannes Vögelin[illegible]

[illegible]1572[illegible]1000[illegible]16[illegible]/[illegible]·[illegible]

[illegible]·[illegible]·[illegible]Francesco Maurolico[illegible]·[illegible]TadeàšHàjek[illegible]

1572[illegible]1577[illegible]1572[illegible]1577[illegible]“[illegible]”[illegible]

1588[illegible]*Concerning the Recent Phenomena of the Aetherial World* [illegible]1572[illegible]1602[illegible]1577[illegible][14][illegible]

7

[illegible]1572[illegible]1650[illegible]1611[illegible]

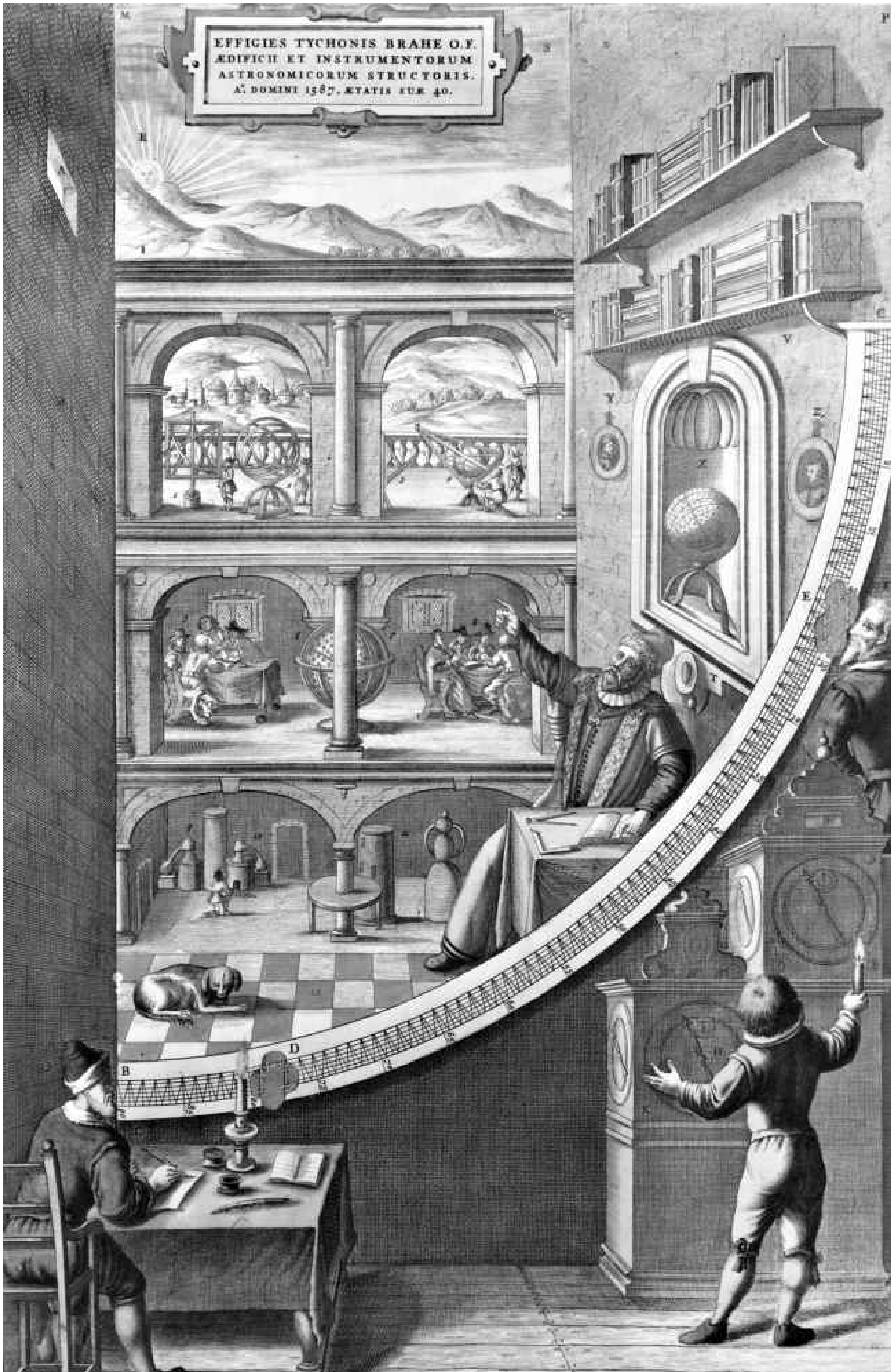
[illegible]100[illegible]17[illegible]

[illegible]1577[illegible]1572[illegible]1577[illegible]

[illegible]

[illegible]

[illegible]1632[illegible]1572[illegible]13[illegible]Bogen[illegible]Woodward[illegible]


EFFIGIES TYCHONIS BRAHE O.F.
ÆDIFICII ET INSTRUMENTORUM
ASTRONOMICORUM STRUCTORIS.
A°. DOMINI 1587, ÆTATIS SUÆ 40.

[illegible]1598[illegible]·[illegible]Hans Knieper[illegible]·[illegible]·[illegible]Hans van Steenwinckel the Elder[illegible]·[illegible]Tobias Gemperle[illegible]1587[illegible]

1610[illegible] [15]

[illegible]16[illegible]1531[illegible]1577[illegible]100[illegible]1604[illegible]1618[illegible]1471[illegible]1563[illegible] [16] [illegible]1564[illegible]

[illegible]1572[illegible]·[illegible]“[illegible]”[illegible]1588[illegible]

8

[illegible]“[illegible]”[illegible] [17] 433[illegible]“[illegible]”[illegible]

5 1592 1604 1572

On Motion 1592

17 · 196 17 15 *Elements of Painting* · 1537

· *Cosmographic Book* 1524 · Erwin Panofsky

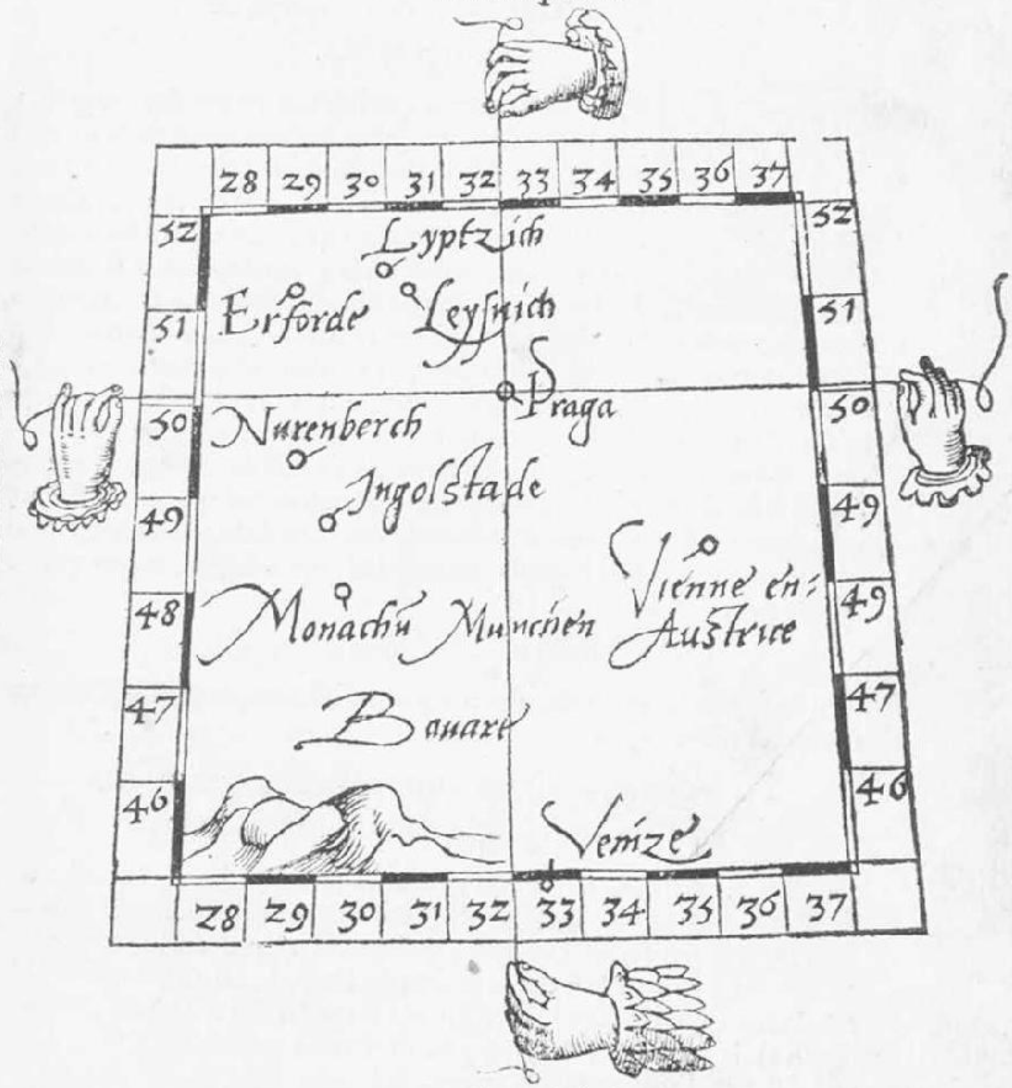
[illegible]

[illegible]15[illegible]“*trace italienne*”[illegible]“[illegible]”[illegible]*Othello*[illegible]Iago[illegible]·[illegible]Michael Cassio[illegible]“[illegible]”[illegible]

Siguese la figura y el vso della, para entender las tablas de Ptolomeo con algunos nombres de lugares, para exercicio del que comiença estudiar enla Geographia.

Septentrion,o Norte.
Parte superior.

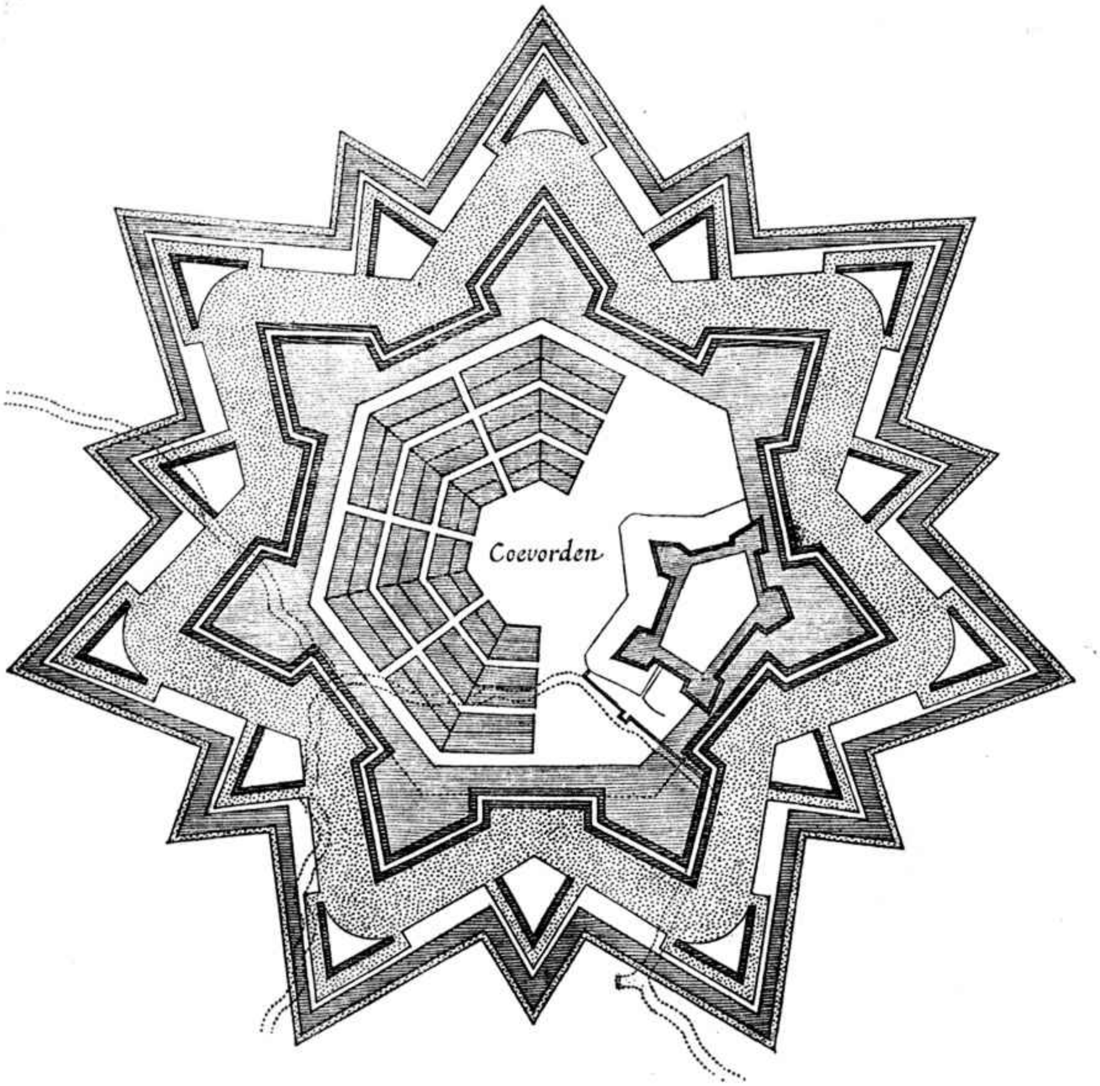
Occidens,o Poniente.
El mano siniestra.



Oriens,o Leuante.
El mano diestra.

Parte inferior.
Su,o Medio dia.

[illegible]·[illegible]*Cosmographicus liber*[illegible]1524[illegible]



[illegible]17[illegible]Maurice of Nassau[illegible]·[illegible]Simon Stevin[illegible]

[illegible]“[illegible]”[illegible]1537[illegible]



VRIGNI, ET
INGENIŪ MAT
HEMATIC
IS
PHILOSOPHIA
PLATO
MUSICA
ARITHMETICA
GEOMETRIA
EVCLIDE

·Niccolò Tartaglia1537

1543*Diverse Problems and Inventions*

1546 1622

· ·

the Cassinis

“ ” “*mathemata mathematicis scribuntur* ”

[18]

·

Albrecht Dürer 1494—1495 1505—1507

4 1525 1515

· Johann Stabius

9


SEPTENTRIO
AQUILO
CORUS
FAVONIUS
AFRICUS
AUSTER
AFRICA

[illegible]

[illegible]

[illegible]

[illegible]Matteo Ricci[illegible][19][illegible]1599[illegible]

[illegible]18[illegible]

[illegible]500[illegible]

10

[illegible]17[illegible]17[illegible]15[illegible]16[illegible]14[illegible]15[illegible]

[illegible]1630[illegible]“[illegible]”[illegible]·[illegible]*Elements*[illegible]47[illegible]“[illegible]”[illegible]2[illegible]2[illegible]4[illegible][20][illegible]1476[illegible]1679[illegible]·[illegible]Sextus Empiricus[illegible]

---

[1] [illegible]

[2] [illegible]11[illegible]

[3] [illegible]10[illegible]

[4] [illegible]12[illegible]

[5] [illegible]18[illegible]

[6] [illegible]·[illegible]Bernardino Baldi[illegible]16[illegible]·[illegible]·[illegible]

[7] [illegible]·[illegible]Jacob Soll[illegible]·[illegible]·[illegible]“[illegible]”[illegible]Raphael[illegible]Soll[illegible]The Reckoning[illegible]2014[illegible]50[illegible]

[8] [illegible]1512[illegible]1500[illegible]1440—1450[illegible]15[illegible]70[illegible]Gilbert[illegible]“When Did a Man in the Renaissance Grow Old?”[illegible]1967[illegible] Levenson[illegible]“Jacopo de’ Barbari”[illegible]2008[illegible]

[9] [illegible]13[illegible]14[illegible]

[10] [illegible]17[illegible]

[11] [illegible]27—[illegible]14[illegible]1511[illegible]

[12] [illegible]1345[illegible]Atticus[illegible]

[13] [illegible]

[14] [illegible]·[illegible]Discourse on the Comet[illegible]1585[illegible]Granada[illegible]Mosley & others[illegible]Christoph Rothmann’s Discourse[illegible]2014[illegible]

[15] [illegible]1604[illegible]1632[illegible]1618[illegible]Wootton[illegible]Galileo[illegible]2010[illegible]157—170[illegible]

[16] [illegible]“[illegible]1563[illegible]1000[illegible]”De stella nova [illegible]1608[illegible]Jardine[illegible]The Birth of History and Philosophy of Science [illegible]1984[illegible]277—278[illegible]

[17] [illegible]“[illegible]”[illegible]“[illegible]”[illegible]”[illegible]”[illegible]

[18] [illegible]·[illegible]William Harvey[illegible]·[illegible]·[illegible]Giovanni Domenico Cassini[illegible]·[illegible]Daniel Bernoulli[illegible]Leeuwenhoek[illegible]On the Theory of Coinag[illegible]1526[illegible]·[illegible]Leonhard Euler[illegible]1707—1783[illegible]

[19] [illegible]Mignolo[illegible]The Darker Side of the Renaissance [illegible]2010[illegible]219—226[illegible]“[illegible]”[illegible]Mignolo[illegible]

[20] [illegible]“[illegible]”[illegible]6[illegible]586—587[illegible]

[illegible]

[illegible]

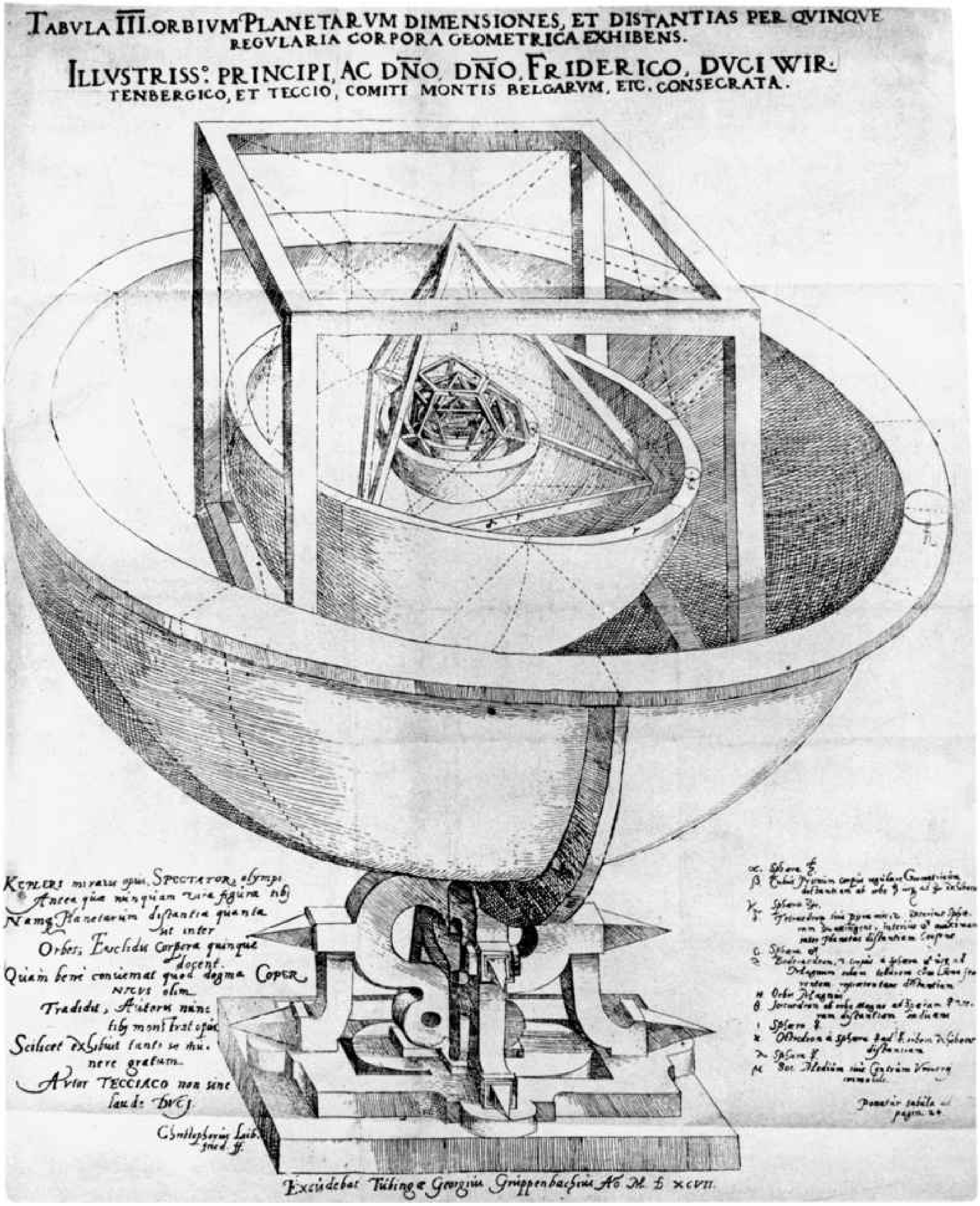
——[illegible]·[illegible]“[illegible]”[illegible]

1

1609[illegible]·[illegible]Mathias Wacker[illegible]1831[illegible]1998[illegible]1591[illegible]·[illegible]Walter Raleigh[illegible]·[illegible]

[illegible]*On the Six-cornered Snowflake*[illegible]1611[illegible]“*nix*”[illegible]

[illegible]*The Cosmographic Mystery*[illegible]1596[illegible]


TABVLA III. ORBIVM PLANETARVM DIMENSIONES, ET DISTANTIAS PER QVINQVE
REGVLARIA CORPORA GEOMETRICA EXHIBENS.
ILLVSTRISS. PRINCIPI, AC DNO. DNO. FRIDERICO, DVCI WIR-
TENBERGICO, ET TECCIO, COMITI MONTIS BELGARVM, ETC. CONSECRATA.

[illegible]

[illegible]

[illegible]

[illegible]3[illegible]15[illegible]

[illegible]Cosimo II[illegible]3[illegible]13[illegible]4[illegible]8[illegible][1][illegible]

2

[illegible]1608[illegible]·[illegible]Hans Lippershey[illegible]1609[illegible]8[illegible]1610[illegible]30[illegible]

[illegible]“[illegible]”[illegible]1609[illegible]4[illegible]6[illegible]200[illegible]10[illegible]20[illegible]

[illegible]

[illegible]24[illegible]7.3[illegible]6[illegible]9.7[illegible]12[illegible]19.3[illegible]1[illegible]1.61[illegible]1636[illegible]1761[illegible]20[illegible]20[illegible][2][illegible]

[illegible]1625[illegible]“[illegible]”[illegible]The Apiarium[illegible]Urban VIII[illegible]1665[illegible]*Micrographia*[illegible]17[illegible]

[illegible]1609[illegible]1609[illegible]1634[illegible]1604[illegible]

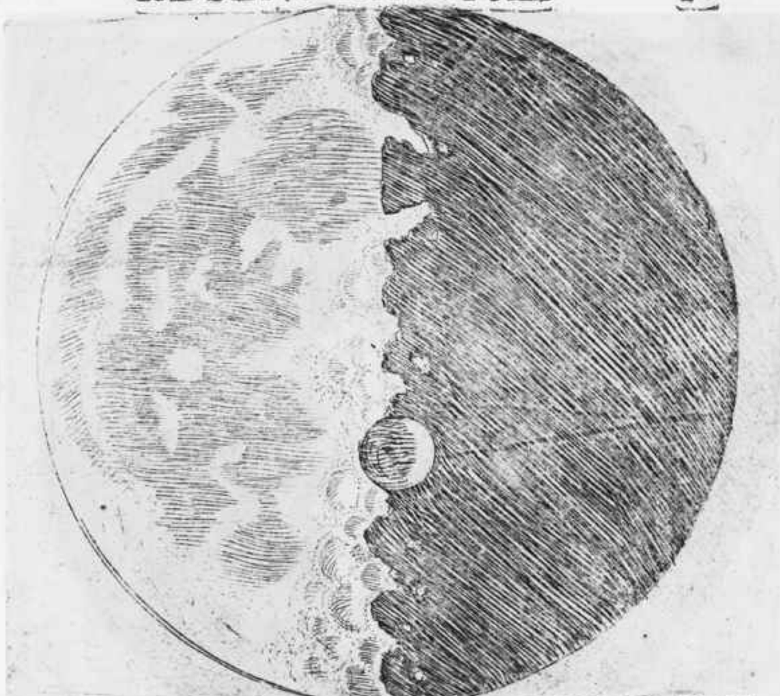
[illegible]

1609[illegible]“[illegible]”[illegible]·[illegible]1624[illegible][3]

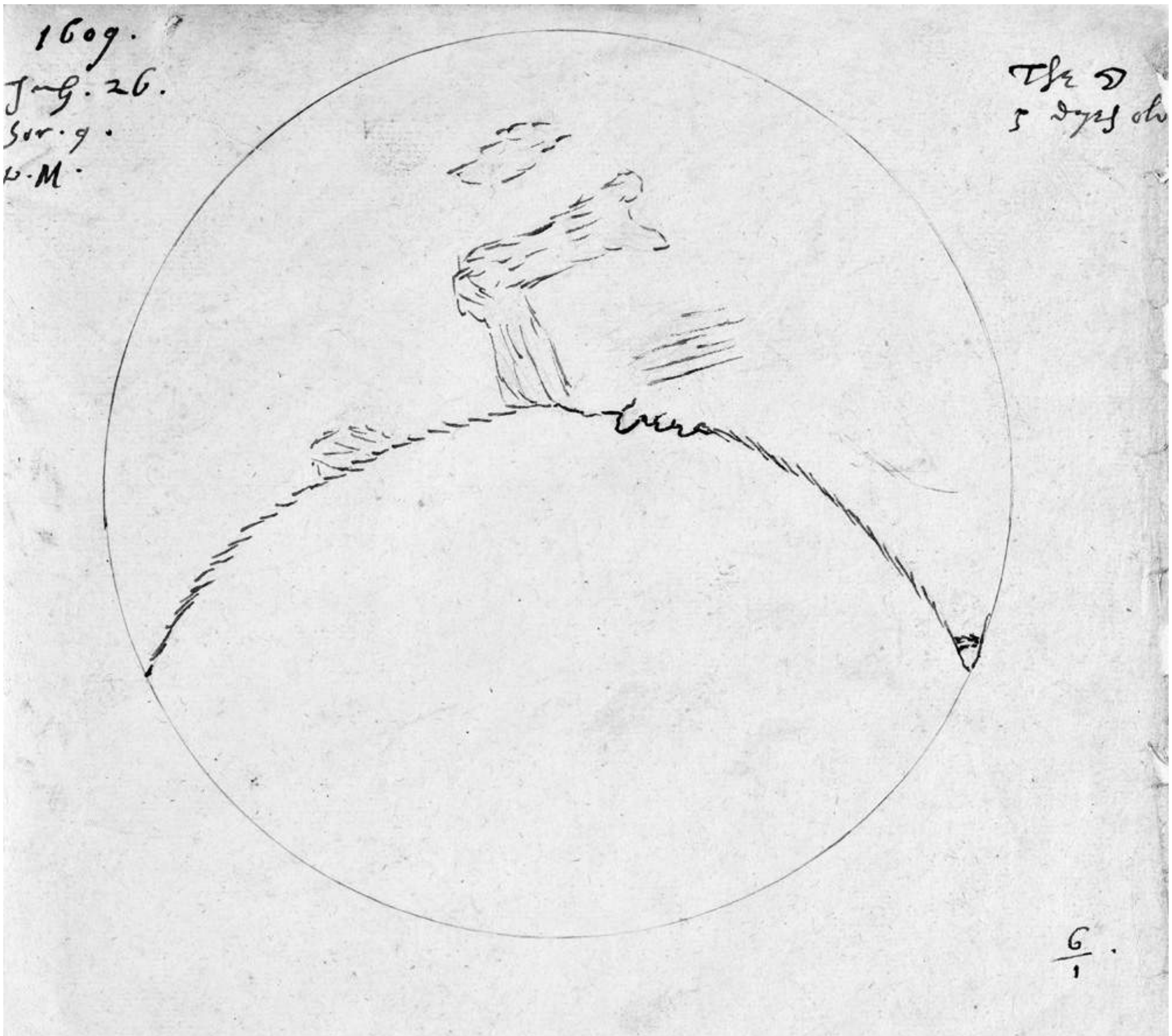
[illegible]

[illegible]1610[illegible]·[illegible]della Porta[illegible]

[illegible]1609[illegible]7[illegible]26[illegible]“[illegible]”[illegible]1610[illegible]7[illegible]17[illegible]1604[illegible]

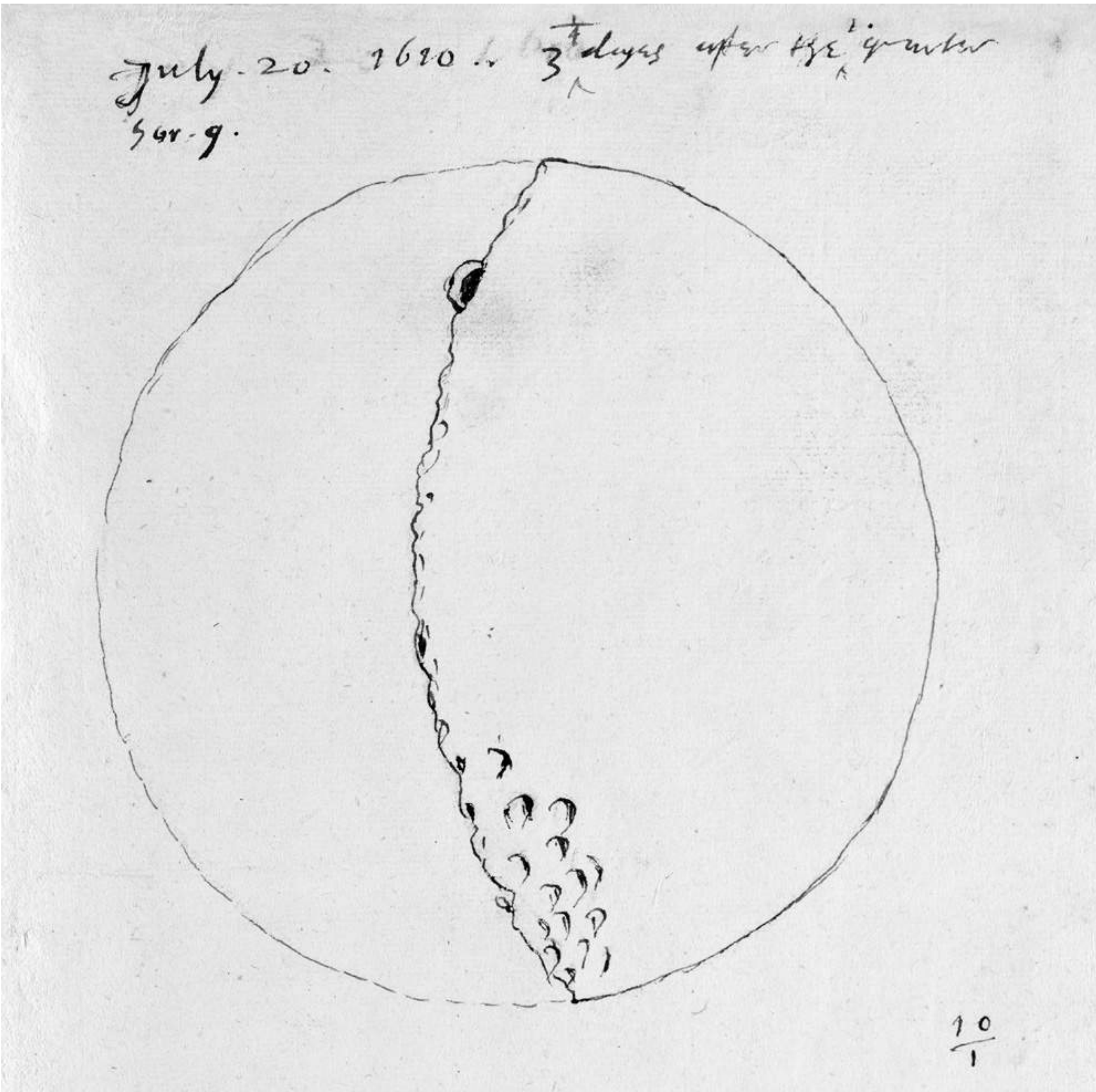


Hæc eadem macula ante ſecundam quadraturam nigrioribus quibuſdam terminis circumuallata conſpicitur; qui tanquam altiſſima montium iuga ex parte Soli auerſa obſcuriores apparent, quà verò Solem reſpiciunt lucidiores extant; cuius oppoſitum in cauitatibus accidit, quarum pars Soli auerſa ſplendens apparet, obſcura verò, ac vmbroſa, quæ ex parte Solis ſita eſt. Imminuta deinde luminoſa ſuperficie, cum primum tota fermè dicta macula tenebris eſt obducta, clariora mõtium dorſa eminenter tenebras ſcandunt. Hanc duplicem apparentiam ſequentes figuræ commoſtrant.


1609.

[illegible]

[illegible]“[illegible]”[illegible]*Dissertatio cum Nuncio sidereo* [illegible]9[illegible]5[illegible]



[illegible]

3

[illegible] 1611 [illegible] 4 [illegible]

1611[illegible]10[illegible]

[illegible]

[illegible]1611[illegible]1543[illegible]1588[illegible][4][illegible][5]

[illegible]1436—1476[illegible]·[illegible]·[illegible]1478—1553[illegible][6]472[illegible]

1610[illegible]1651[illegible]*New Almagest*[illegible]

[illegible]1610—1710[illegible]

[illegible]1610[illegible]6[illegible]10[illegible]12[illegible]11[illegible]“[illegible]”[illegible]12[illegible]30[illegible]12[illegible]11[illegible]·[illegible]1611[illegible]1[illegible]1[illegible]*Dioptrice*[illegible]1611[illegible]

[illegible]12[illegible]

[illegible]3[illegible]1[illegible]1[illegible]1[illegible]—3[illegible]1[illegible]3[illegible]5[illegible]19[illegible][7][illegible]3[illegible]*Sphere*[illegible]4[illegible]

[illegible]5[illegible]18[illegible]·[illegible]·[illegible]Odo van Maelcote[illegible]1611[illegible]12[illegible]

[illegible]

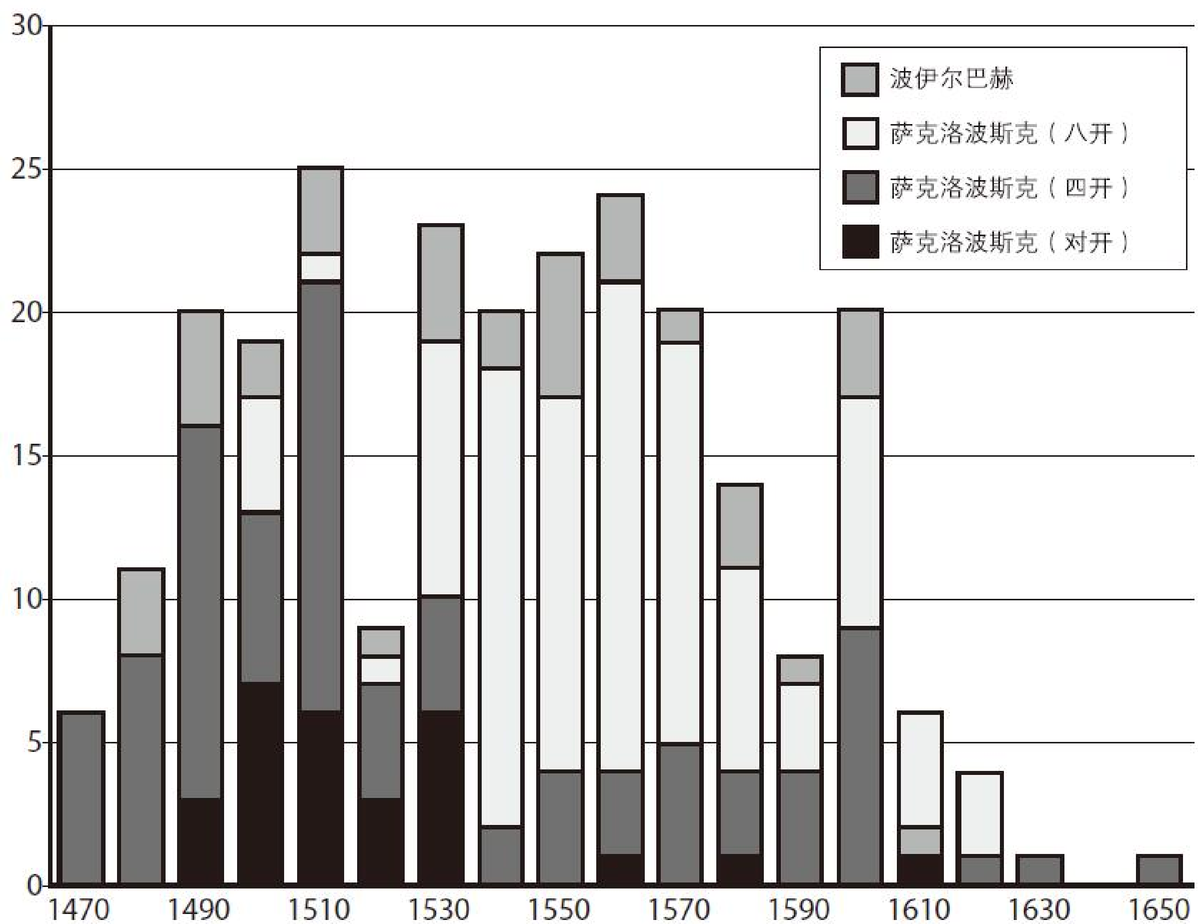
[illegible]5[illegible]18[illegible]1400[illegible]

[illegible]1611[illegible]8[illegible]·[illegible]Margherita Sarrocchi[illegible]“[illegible]”[illegible]1612[illegible]2[illegible]5[illegible]·[illegible]Christoph Grienberger[illegible]“[illegible]”[illegible]1612[illegible]5[illegible]4[illegible]·[illegible]Mark Welser[illegible]“[illegible]……[illegible]……[illegible]”[illegible]·[illegible]1612[illegible]7[illegible]25[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1612[illegible]12[illegible]1[illegible]“[illegible]”[illegible][8]


Dies diei eructat uerbum
Numerus
Ponderibus
librata suis

[illegible]·[illegible]·[illegible]1651[illegible]Astraea[illegible]·[illegible]

[illegible]1610[illegible]*Theoricae novae planetarum*[illegible]1570—1611[illegible]15[illegible]1618[illegible]*Epitome of Copernican Astronomy*[illegible]1618[illegible]18[illegible]



[illegible]·[illegible]·[illegible]1470[illegible]1470—1479[illegible]1543[illegible]1577[illegible]·[illegible]1588[illegible]1600—1609[illegible]

·Jürgen Hamel
·· *Studien zur "Sphaera" des Johannes de Sacrobosco*
2014 ·Owen Gingerich

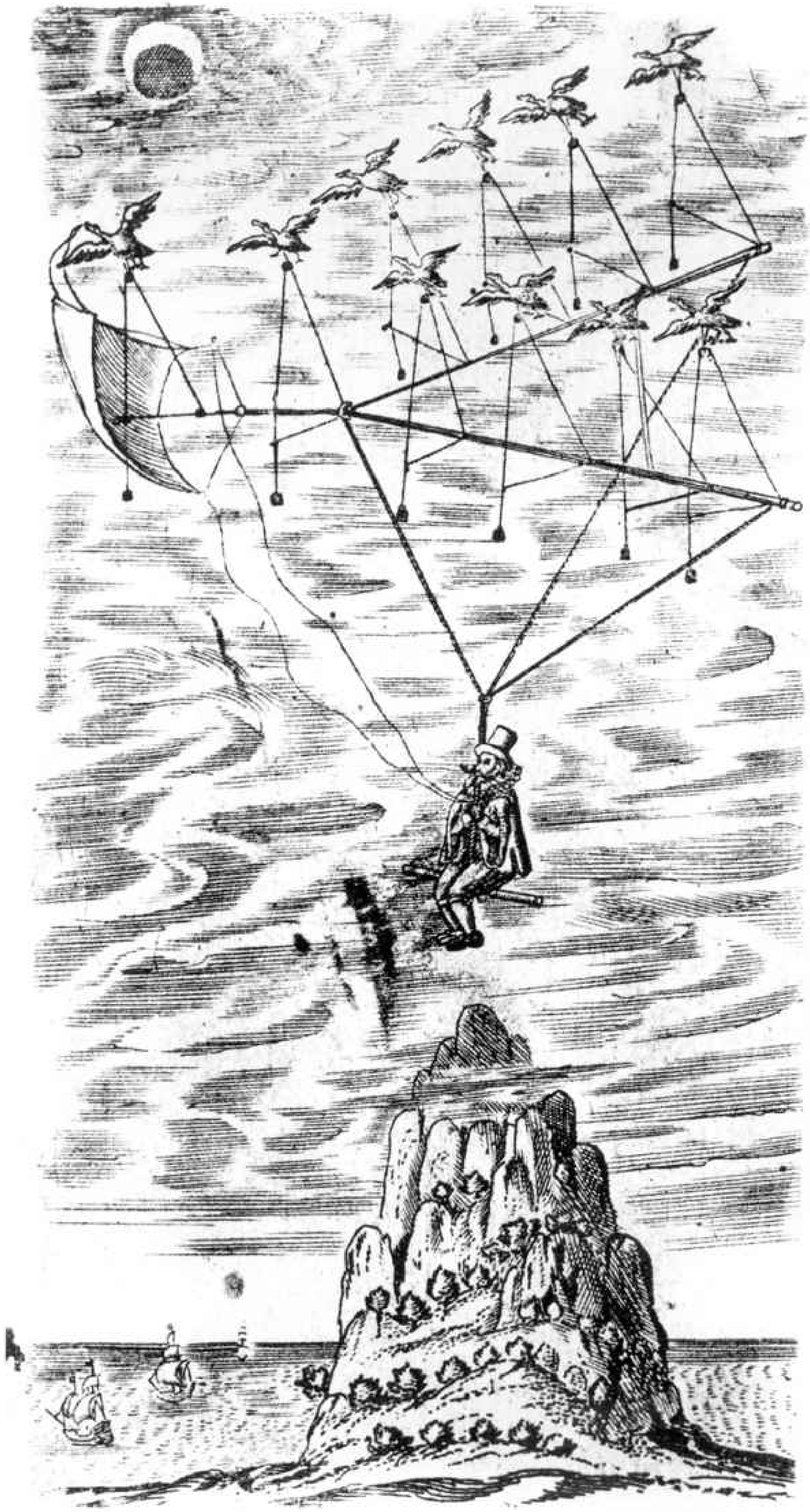
4

1611

"" Milton
"" "" "" ""
[9]

1612—1613
The Duchess of Malfi ·John Webster
"" ·Francis Godwin
The Man in the Moone 1638
1628
·
The Discovery of a World in the Moon 1640
A Discourse Concerning a New World and Another Planet
··Cyrano de Bergerac *The States and Empires of the Moon* 1657 *The States and Empires of the Sun* ·
Edmond Rostand

[illegible]1921[illegible]
[illegible]19[illegible]



[illegible]·[illegible]1638[illegible]


Saturnus.
Iupiter.
Mars.
Ceres et Proserpina
Venus
Mercurius
Omnibus De.
lucem.
calorem.
motum.
Sua fovent
Universu Ornant
Mutuo se illuminant
Quid si sic ?
Vtinam et alæ.
Hic ejus oculi.
A Discourse concerning A NEW world & Another Planet In 2 Bookes.
London
Printed for Iohn Gelli=
brand at the Golden ball
in S.t Paul's Church
yard 1683.
N. Copernicus.
Galilæus
Keplar

[illegible]·[illegible]1640[illegible]1684[illegible]
[illegible]“[illegible]”

[illegible]·[illegible]Pierre Borel[illegible]*A New Treatise Proving a Multiplicity of Worlds: That the Planets are Regions Inhabited and the Earth a Star* [illegible]1657[illegible]1658[illegible]·[illegible]John Flamsteed[illegible]“[illegible]”[illegible]*Conversations on the Plurality of Worlds* [illegible]1686[illegible]1757[illegible]25[illegible]10[illegible][10] 493[illegible]·[illegible]Christiaan Huygens[illegible]*Kosmotheoros* [illegible]1698[illegible]

[illegible]1700[illegible]·[illegible]Richard Bentley[illegible]

[illegible]

[illegible][11] [illegible]Protagoras[illegible]490—[illegible]420[illegible]“[illegible]”[illegible]1[illegible]*braccio* [illegible]*aulne* [illegible]1[illegible]1.61[illegible]1000[illegible]1701[illegible]·[illegible]·[illegible]Daniel Gabriel Fahrenheit[illegible]1720[illegible]·[illegible]John Fowler[illegible]24[illegible]

[illegible] 1799 [illegible] 1000 [illegible]

5

[illegible]

[illegible] 13 [illegible] [12] [illegible]

[illegible] 1610—1665 [illegible]

[illegible] “telescope” [illegible]

[illegible] *Mercury* [illegible] *Phrantick Bedlam Pamphlets* [illegible] “telescop” [illegible]

[illegible] · [illegible] William Blake [illegible]

□“□□□□□”□“Auguries of Innocence”□□□□□□□□□□□“□□□□□□□□□□□”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□*Micromégas*□1752□□□□□□□□□□□□“□”□“□”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□20000□□□□609.6□□1/3□□□□□□□□□□□□□□□□□□□

□□1676□□□□□□□□□□□□□□·□·□□□□□Antonie van Leeuwenhoek□□□□□□□□□□□□□□□□□□□□□□□□□□□□□·□□4□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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□□·□□□□Jan Swammerdam□□□·□□□□□Marcello Malpighi□□□……□□□

□□1752□□□□□□□Maupertuis□□1741□□□□□□·□□□□□Abraham Trembley□□□□□□□□□□□□□□□□12□□□□□□12□□□

[illegible]19[illegible]30[illegible]

[illegible]·[illegible]1733[illegible]

[illegible]

[illegible]

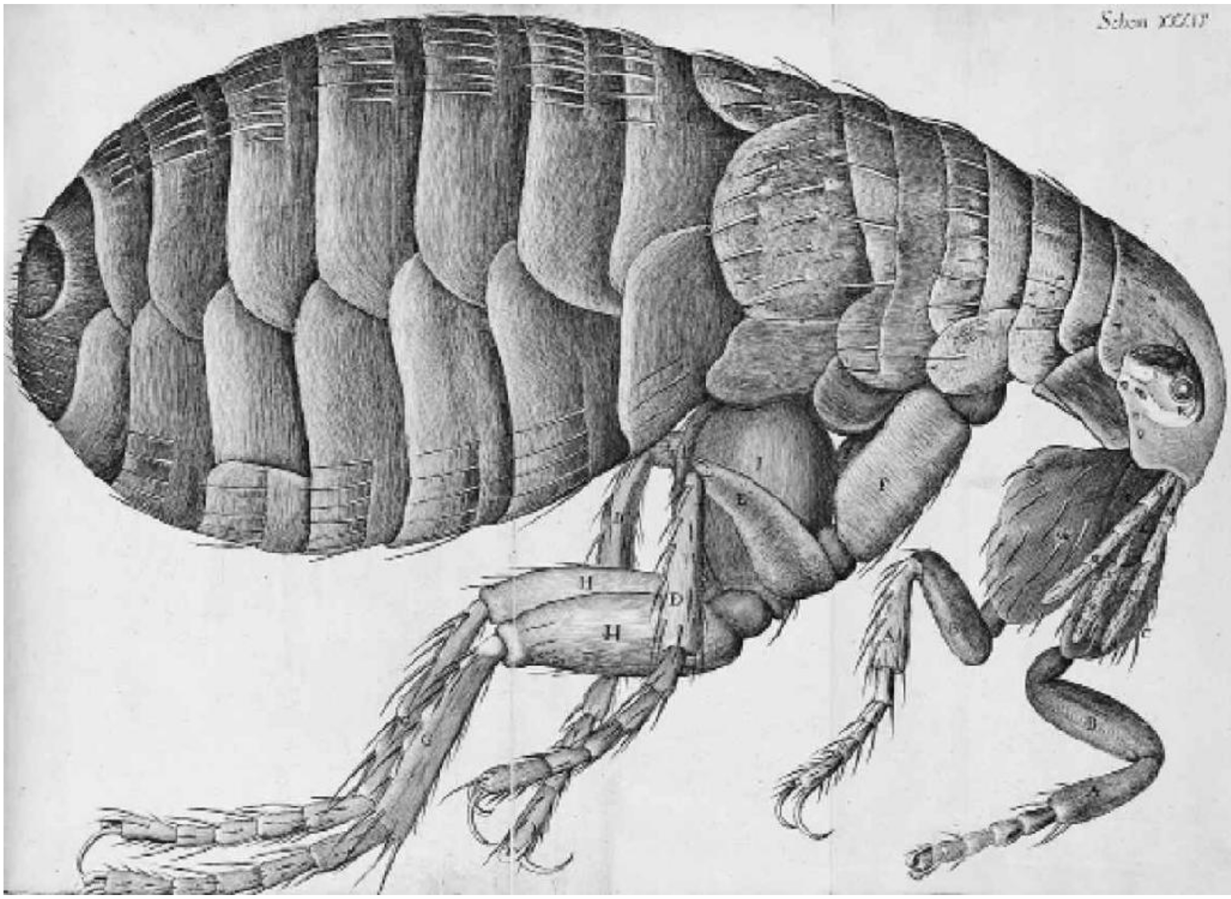
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[illegible]1662[illegible]1665[illegible]

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[illegible]1665[illegible]

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[illegible] [14]

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[illegible]

1608[illegible]1608[illegible]·[illegible] [15]

[illegible]

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[1] [illegible]17[illegible]·[illegible]·[illegible]

[2] 1622—1635[illegible]·[illegible]1610[illegible]Berkel[illegible]Isaac Beeckman[illegible]2013[illegible]68—69[illegible]

[3] [illegible]

[4] [illegible]Van Helden[illegible]Measuring the Universe[illegible]1985[illegible]96—99[illegible]1631[illegible]1639[illegible]Horrocks[illegible] Van Helden[illegible]Measuring the Universe[illegible]1985[illegible]95—117[illegible]Horrocks[illegible]Venus Seen on the Sun[illegible]2012[illegible]

[5] [illegible]Swerdlow[illegible]“An Essay on Thomas Kuhn’s First Scientific Revolution” [illegible]2004[illegible]106—111[illegible]

[6] [illegible]Paul III[illegible]“[illegible]”[illegible]Barker[illegible]“Copernicus and the Critics of Ptolemy”[illegible]1999[illegible]345[illegible]

[7] [illegible]“[illegible]”[illegible]Galilei[illegible]Le Opere[illegible]1890[illegible]Vol. 11[illegible]67[illegible]71[illegible]

[8] [illegible]1610[illegible]The Phases of Venus before 1610[illegible]1987[illegible]Ariew[illegible]

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[9] [illegible]68[illegible]·[illegible]·[illegible]·[illegible]15[illegible]Gaurico[illegible]Prosdocimus & others[illegible]Spherae tractatus[illegible]1531[illegible]78rv[illegible]1505[illegible]·[illegible]punctum[illegible]Achillini[illegible]De elementis [illegible]1505[illegible]85r[illegible]Barozzi[illegible]Cosmographia[illegible]1585[illegible]32[illegible]Piccolomini[illegible]De la sfera del mondo[illegible]1540[illegible]10v—11r[illegible]Copernicus[illegible]On the Revolutions [illegible]1978[illegible]13[illegible]Benedetti[illegible]Consideratione[illegible]1579[illegible]29[illegible]Bodin[illegible]Universæ naturæ theatrum [illegible]1596[illegible]581 = Bodin[illegible]Le Théâtre de la nature universelle[illegible]1597[illegible]838[illegible]

[10] [illegible]Rawson[illegible]“Discovering the Final Frontier”[illegible]2015[illegible]Fontenelle[illegible]Entretiens sur la pluralité des mondes[illegible]1955[illegible]98—99[illegible]134[illegible]

[11] [illegible]The Description of a New World[illegible]1666[illegible]

[12] [illegible]1689[illegible]·[illegible]Locke[illegible]An Essay[illegible]1690[illegible]140—141[illegible]

[13] Swift[illegible]On Poetry [illegible]1733[illegible]20[illegible]1664[illegible]20[illegible]“[illegible]”

[14] [illegible]·[illegible]

[15] [illegible]1687[illegible]·[illegible]5[illegible]30[illegible]150[illegible]45.7[illegible]Buchwald & Feingold[illegible]Newton and the Origin of Civilization[illegible]2013[illegible]44—52[illegible]

[16] [illegible]Kuhn[illegible]The Copernican Revolution[illegible]1957[illegible]222—224[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Wootton[illegible]Galileo[illegible]2010[illegible]178—179[illegible]

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□“The Discourse of History”□1967□

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□*The Trouble with the Historical Philosophy of Science* □
1992□

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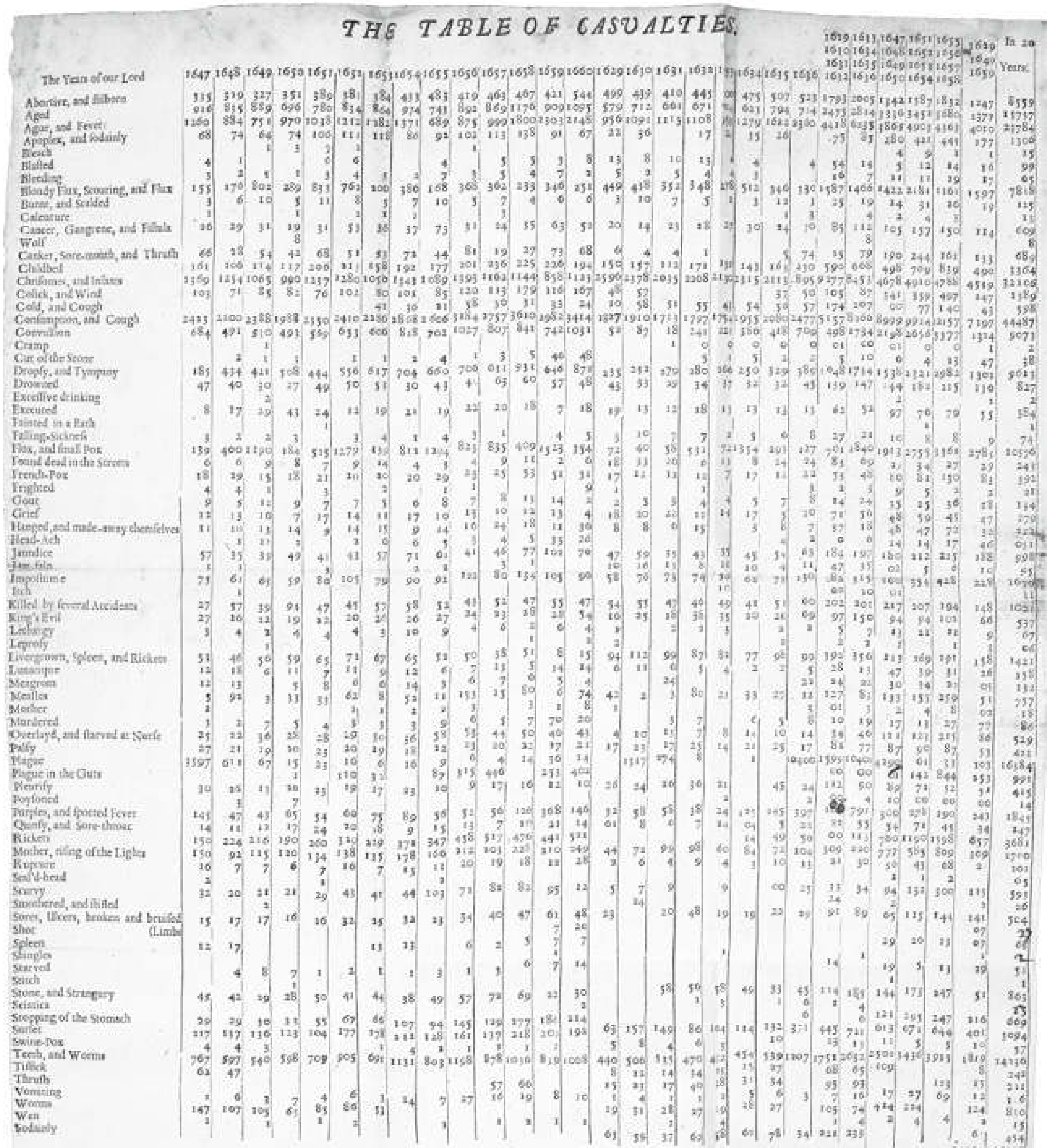
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THE TABLE OF CASUALTIES.

The Years of our Lord

Abortive, and Stilborn
Aged
Ague, and Fever
Apoplex, and sodainly
Bleach
Blasted
Bleeding
Bloody Flux, Scouring, and Flux
Burnt, and Scalded
Calenture
Cancer, Gangrene, and Fistula
Wolf
Canker, Sore-mouth, and Thrush
Childbed
Chrisomes, and Infants
Colick, and Wind
Cold, and Cough
Consumption, and Cough
Convulsion
Cramp
Cut of the Stone
Dropsy, and Tympany
Drowned
Excessive drinking
Executed
Fainted in a Bath
Falling-Sickness
Flox, and small Pox
Found dead in the Streets
French-Pox
Frighted
Gout
Grief
Hanged, and made-away themselves
Head-Ach
Jaundice
Jaw-faln
Impostume
Itch
Killed by several Accidents
King's Evil
Lethargy
Leprosy
Livergrown, Spleen, and Rickets
Lunatique
Meagrom
Measles
Mother
Murdered
Overlayd, and starved at Nurse
Palsy
Plague
Plague in the Guts
Pleurisy
Poysoned
Purples, and spotted Fever
Quinsy, and Sore-throat
Rickets
Mother, rising of the Lights
Rupture
Scal'd-head
Scurvy
Smothered, and stifled
Sores, Ulcers, broken and bruised Limbs
Shot
Spleen
Shingles
Starved
Stitch
Stone, and Strangury
Sciatica
Stopping of the Stomach
Surfet
Swine-Pox
Teeth, and Worms
Tissick
Thrush
Vomiting
Worms
Wen
Sodainly

Place this Table after Fol. 74.

[illegible]*Natural and Political Observations* （1662[illegible]46[illegible]70[illegible]

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JOANNIS KEPPLERI

Sac. Cæs. Majest. Mathematici

DE

STELLA NOVA

IN PEDE SERPENTARII, ET

QUI SUB EJUS EXORTUM DE NOVO INIIT,

TRIGONO IGNEO.

LIBELLUS ASTRONOMICIS, PHYSICIS, METAphysicis, Meteorologicis & Astrologicis Disputationibus, ἐνδόξοις & παραδόξοις plenus.

ACCESSERUNT

I. DE STELLA INCOGNITA CYGNI: Narratio Astronomica.

II. DE JESU CHRISTI SERVATORIS VERO Anno Natalitio, consideratio novissimæ sententiæ LAURENTII SUSLYGÆ Poloni, quatuor annos in usitata Epocha desiderantis.

Cum Privilegio S. C. Majest. ad annos XV.



PRAGAE

Typis PAULI SESSII, impensis AUTHORIS.

ANNO M. DCVI.

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[illegible]1650[illegible]“facts”[illegible]·[illegible]“[illegible]”[illegible]*Leviathan* [illegible]1651[illegible][18][illegible]1654[illegible]*Of Libertie and Necessitie* [illegible]

[illegible]1658[illegible]“fact”[illegible]“[illegible]”[illegible]*The Modern States-Man* [illegible]1653[illegible]G.W.[illegible]G.W.[illegible]·[illegible]·[illegible]·[illegible]·[illegible]·[illegible]“*factum* ”[illegible]“[illegible]”[illegible]·[illegible]“fact”[illegible]

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1662[illegible]*The Logic of Port-Royal* [illegible]1660[illegible]·[illegible]Antoine Arnauld[illegible]“[illegible]”[illegible]1653[illegible]*Augustinus* [illegible][19]

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[illegible]“*provando e riprovando* ”[illegible]*Reports of the Society for Experiments* [illegible]

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Andreas Dudith ·

Henry Savile · Paul Wittich “

” “ *libertas* ” 1608

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· the Earl of Northumberland

1621 · Nathanael

Carpenter *Philosophia libera* 1651

“ ” “*inter nullos magis quam inter PHILOSOPHOS esse debet aequa LIBERTAS* ”

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” 18 “ ”

· Bruno Latour 1986 “

” “Visualization and Cognition:Drawing Things Together” “ ”

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· Samuel Daniel “ ” 1600 · “ ” 1608 “ ” *De motu terrae,On the Movement of the Earth* · *Brief and True Report of the New-found Land of Virginia* 1590

· Laurent Joubert *Popular Errors* 1578 6 10 · Girolamo Mercurii *Of the Popular Errors of*

Italy [illegible]1603[illegible]1645[illegible]1658[illegible]·[illegible]James Primerose[illegible]*Errors of the Crowd* [illegible]1638[illegible]7[illegible]·[illegible]1646[illegible]5[illegible]·[illegible]Pierre Bayle[illegible]*Critical Dictionary* [illegible]1696[illegible]15[illegible]8[illegible]

[illegible][25][illegible]“[illegible]”[illegible]

[illegible]1656[illegible]1609[illegible]1651[illegible]

[illegible]·[illegible]Elizabeth Eisenstein[illegible]*The Printing Press as an Agent of Change* [illegible]1979[illegible]16[illegible]17[illegible]60[illegible]1570—1651[illegible]1651[illegible]—[illegible]·[illegible]·[illegible]·[illegible]Nicolas-Claude Fabri de Peiresc[illegible]1580—1637[illegible]·[illegible]Samuel Hartlib[illegible]1600—1662[illegible]15[illegible]500[illegible]16[illegible]20[illegible]17[illegible]50

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[illegible]G.W.[illegible]·[illegible]Nathaniel Culverwell[illegible]*An Elegant and Learned Discourse of the Light of Nature*[illegible]“[illegible]”[illegible]=[illegible]=[illegible]G.W.[illegible]G.W.[illegible]“[illegible]”[illegible]“[illegible]”[illegible]G.W.[illegible]“[illegible]”[illegible]

[illegible]G.W.[illegible]G.W.[illegible]50[illegible]“[illegible]”[illegible]1694[illegible]·[illegible]“[illegible]”1717[illegible]*A Course of Experimental Philosophy*[illegible]·[illegible]·[illegible]John Theophilus Desaguliers[illegible]“[illegible]”1721[illegible]Marsigli[illegible]“[illegible]”[illegible]18[illegible]“[illegible]”[illegible]

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[2] “[illegible]”[illegible]“[illegible]”Bacon[illegible]Sylva sylvarum [illegible]1627[illegible]AIr[illegible]74[illegible]

[3] [illegible]·[illegible]·[illegible]“un fait est fait”[illegible]Latour[illegible]“The Force and the Reason of Experiment”[illegible]1990[illegible]63[illegible]·[illegible]·[illegible]Shapin[illegible]“A View of Scientific Thought”[illegible]1980[illegible]·[illegible]“[illegible]”[illegible]Bourdieu[illegible]Science of Science[illegible]2004[illegible]26—27[illegible]

[4] [illegible]·[illegible]Jonathan Goldberg[illegible]“[illegible]……[illegible]”[illegible]Goldberg[illegible]“Speculations: Macbeth and Source”[illegible]1987[illegible]244[illegible]1[illegible]0.39[illegible]

[5] [illegible]234[illegible]

[6] [illegible]·[illegible]Stephen Orgel[illegible]·[illegible]Helkiah Crooke[illegible]Microcosmographia[illegible]1615[illegible]·[illegible]Janet Adelman[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]Orgel[illegible]Impersonations[illegible]1996[illegible]21—24[illegible]Adelman[illegible]“Making Defect Perfection”[illegible]1999[illegible]36—39 and n. 29[illegible]

[7] “[illegible]Macrobius[illegible]……[illegible]”Della Porta[illegible]Natural Magick [illegible]1658[illegible]7—8[illegible]

[8] [illegible]·[illegible]

[9] [illegible]Passannante[illegible]The Lucretian Renaissance[illegible]2011[illegible]1—2[illegible]Glanvil[illegible]The Vanity of Dogmatizing[illegible]1661[illegible]202—204[illegible]

[10] [illegible]·[illegible]Eighteenth Brumaire[illegible]“Hic Rhodus, hic salta”[illegible]

http://berlin.wolf.ox.ac.uk/lists/quotations/quotations_by_ib.html [illegible] accessed 22 Dec. 2014[illegible]

[11] [illegible]“[illegible]……[illegible]‘[illegible]’”[illegible]Deutscher[illegible]Through the Language Glass[illegible]2010[illegible]153[illegible]

[12] [illegible]Epistles[illegible]i[illegible]14—15[illegible]
Nullius addictus iurare in verba magistri,
quo me cumque rapit tempestas, deferor hospes.
“[illegible]”

[13] [illegible]“fiction”[illegible]“fact”[illegible]16[illegible]90[illegible]“fiction”[illegible]

[14] [illegible]“[illegible]”[illegible]Montaigne[illegible]Essayes[illegible]1613[illegible]456[illegible]“[illegible]Alexander[illegible]”[illegible]582[illegible]“[illegible]”[illegible]605[illegible]“Je vois ordinairement que les hommes, aux faicts qu’on leur propose, s’amusent plus volontiers à en chercher la raison qu’à en chercher la verité”[illegible]“[illegible]”[illegible]578[illegible]“joinct qu’à la verité il est un peu rude et quereleux de nier tout sec une proposition de faict”[illegible]“[illegible]”[illegible]579[illegible]

[15] [illegible]“human”[illegible]“humane”[illegible]17[illegible]“humane”[illegible]“human”[illegible]

[16] “[illegible]……[illegible]”[illegible]Hobbes[illegible]Humane Nature[illegible]1650[illegible]37—38[illegible]“[illegible]……[illegible]……[illegible]”[illegible]60—61[illegible]64—65[illegible]

[17] “[illegible]de facto”[illegible]Prolegomena to Helmont & Charleton[illegible]A Ternary of Paradoxes[illegible]1649[illegible]c2v[illegible]“[illegible]Hoti[illegible]”[illegible]d1r[illegible]98[illegible]

[18] “[illegible]”Hobbes[illegible]Leviathan[illegible]1651[illegible]40[illegible]

[19] [illegible]Arnauld & Nicole[illegible]Response au P. Annat [illegible]1654[illegible]AvantPropos[illegible]“Or tout le monde demeure d’accord[illegible]que les Papes sont point garands de la verité des faits qu’on leur propose[illegible]et qu’ils rapportent en suitte dans l’expositif de leurs Rescrits et de leurs Constitutions . . .”In Arnauld[illegible]Première lettre

apologétique de Monsieur Arnauld Docteur de Sorbonne□À un évêque □1656□□□
12□□□□□□□□□□□□□□□□“un point purement de fait□& dont les yeux sont juges”□

[20] Pascal□Les Provinciales□1657□□48—49□4th letter□□“Ce n’est pas icy un point de foy, ny mesme de raisonnement. C’est une chose de fait. Nous le voyons, nous le sçavons, nous le sentons.”

[21] □□□□□□Shapin & Schaffer□Leviathan and the Air-pump□1985□□24□□□□□“□□□□□□□□□”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□22□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□15□22□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[22] □□□□□□1663□□□Wilding□“The Return of Thomas Salusbury’s Life of Galileo□1664□”□2008□□260□

[23] □□□Malcolm□“Hobbes and Roberval”□2002□□187—196□□□□□□□□□□□□□□□□

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[25] Eisenstein□The Printing Press as an Agent of Change □1979□□Vol. 1□88—107□ Ong□ Orality and Literacy □1982□□121—123□□□·□□□□□□□□□□□□□□□□□Wotton□Reflections upon Ancient and Modern Learning□1694□171—172□□Wolper□“The Rhetoric of Gunpowder”□1970□□593□□□□□□□□□□□□□□“□□□□□□”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Blair□“Annotating and Indexing Natural Philosophy”□2000□76□□□□□Smith□“Printed Foliation”□1988□□□□□□□□□□□□□□□1521□□□

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1648[illegible]9[illegible]19[illegible]—[illegible]·[illegible]·[illegible]（Florin Périer）[illegible][1]674[illegible]26[illegible]66[illegible]3000[illegible]914.4[illegible]“barometer”[illegible]1666[illegible]“baroscope”[illegible]3[illegible]7.62[illegible]Mosnier[illegible]1[illegible]2.54[illegible]1/5[illegible]1662[illegible]“*experimentum crucis* ”[illegible]

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[illegible]“*expérimenter*”[illegible]“to experience”[illegible]“to

experiment”□□□□□□□□□□□“experiment”□□□□□□□□□□“*faire une expérience* ”□□□□□□□□□“*expérience* ”□□□□“experiment”□□19□□□□□□□□“*expériences* ”□□□□□□□□□□□□□□□□□□□“*expérimentation* ”□□□□□□□□□□□□□□□□□□□“experiment”□[5] 683□□□□□□□□□□□“*expérimental* ”□□□□□□□□□□□□□□□□“*philosophie expérimentale* ”□□□□□□□□□□□□□□1669□□□□□□□□□□“expérimental”□□□□□□□□□□□□□□□□□1669□□“*philosophie expérimentale* ”□□□□□□□□□□□□□□□□□□□“experiment”□□□□“*expérimentale* ”□□□□□□□□□□□□□□□□

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“proof”□□□“the proof of the pudding”□□□□□□□□“alcohol being 40 proof”□40°□□□□□“proving a gun”□□□□□□□“proof”□□□□□□□□□□□□□□□□□□“probe”“probability”□□□□□□□□□□□□□□□□□□□□*probo* □*probatio* □□□□□□□□□□□□□□□□□□□□□□□□□*probar* □□□□□*provare* □□□□*probieren* □□□□*prouver* □□□□□□□□□*éprouve* □□“□□”□□□□□□□□□□□□□□*prouver* □□□□□“□□”□□□□□“proof”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□“evidence”□□proof□□□□□□□□□□□□□□□□□□□□□□□□□circumstantial evidence□□□

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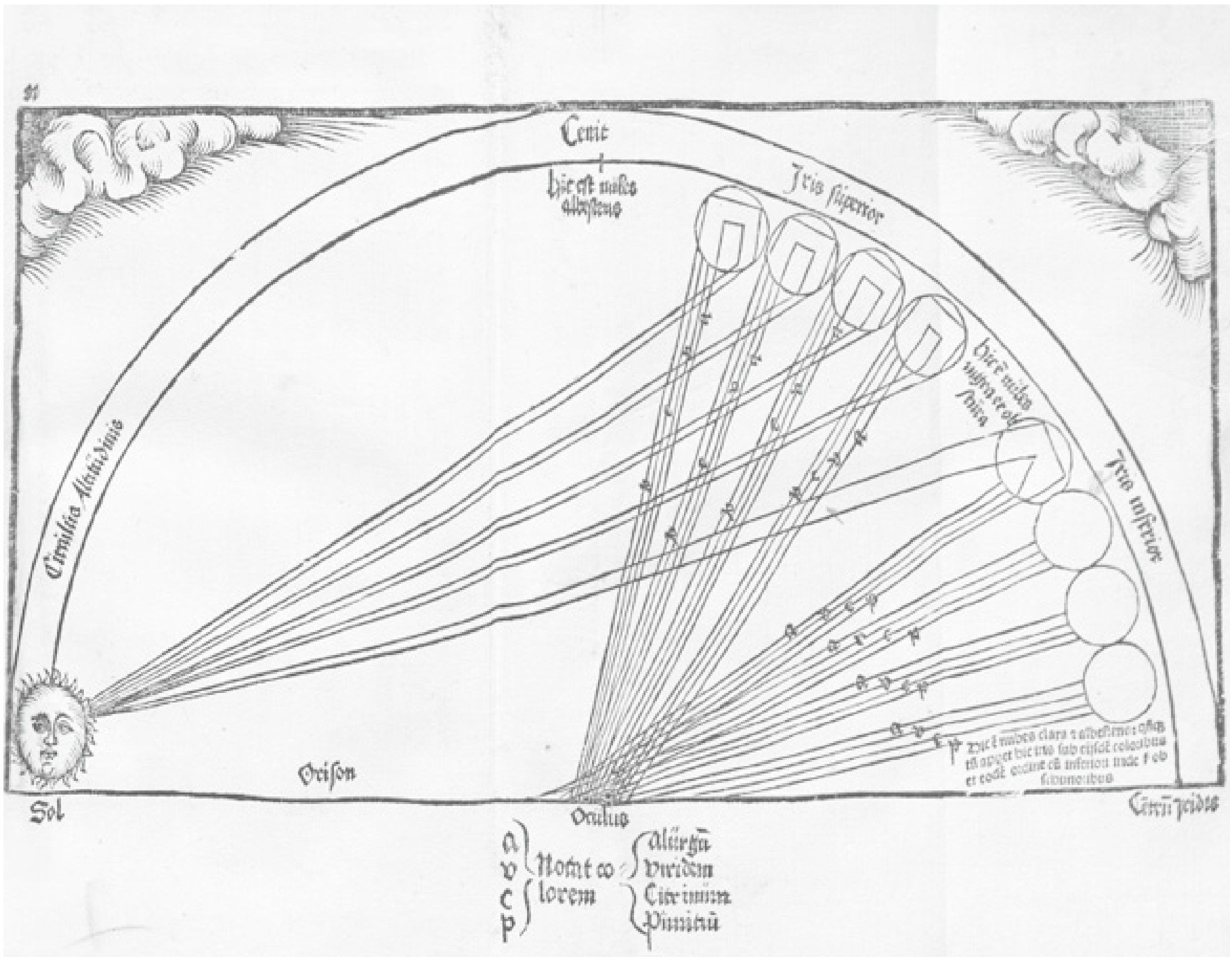
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Pierre de Maricourt *Letter on the Magnet* 1269 39 1558

1522 Sebastian Cabot

1581 Robert Norman

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[illegible]·[illegible]Edward Wright[illegible]48[illegible]

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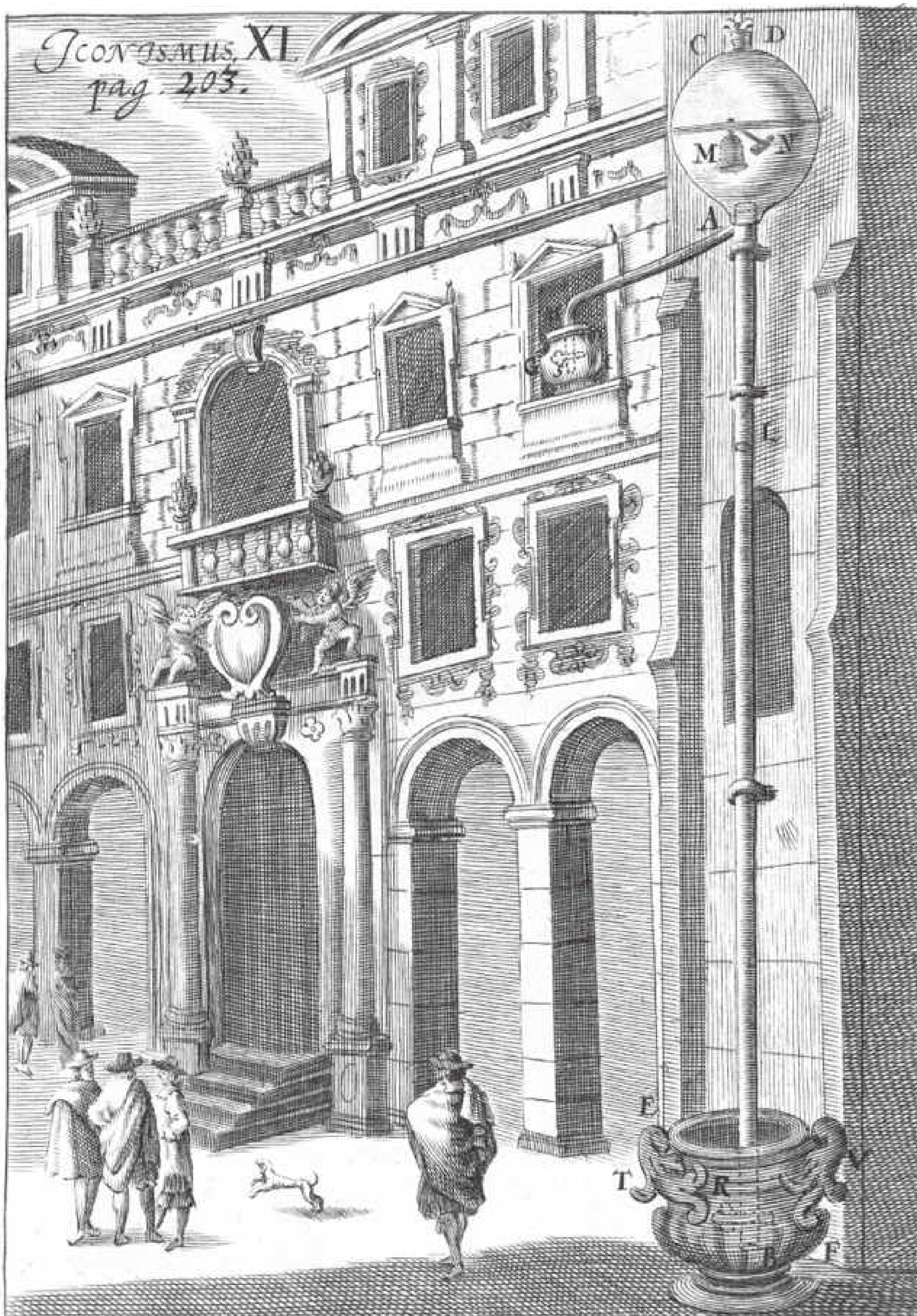
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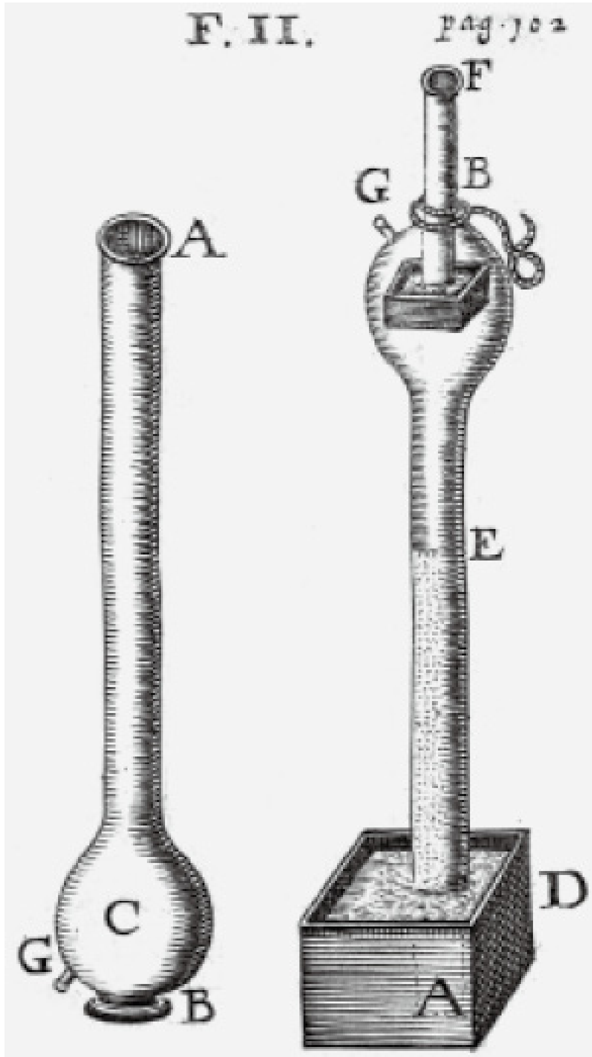
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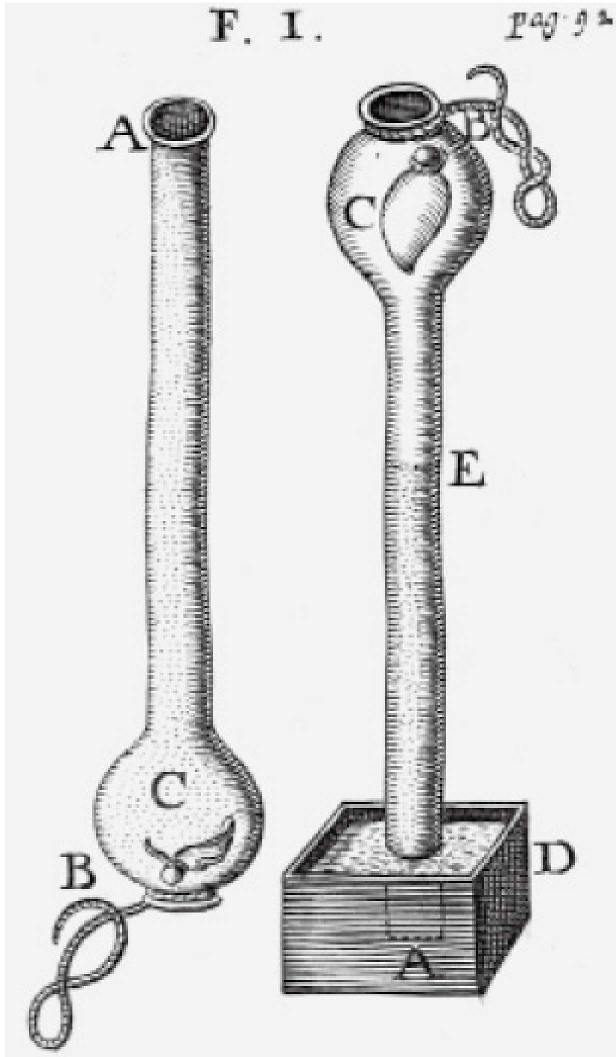
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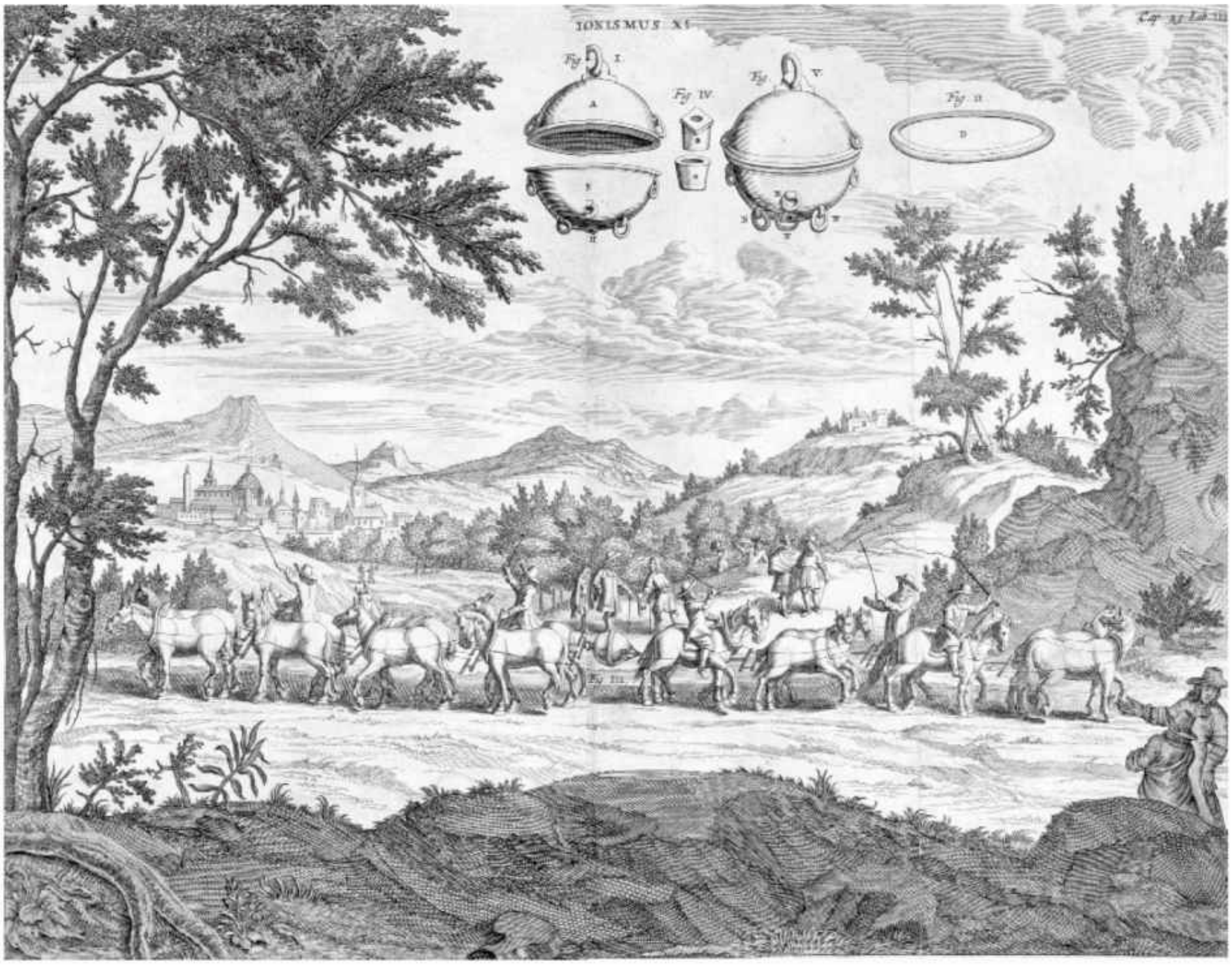
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[illegible]18[illegible]20[illegible]·C.[illegible]John C.Powers[illegible]“[illegible]”[illegible]·[illegible]Nicolas Lémery[illegible]1645—1715[illegible]18[illegible]“[illegible]……[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible] 1718 [illegible]·[illegible]·[illegible]（Étienne François Geoffroy）[illegible]“[illegible]”（Table of Different Relations Observed in Chemistry）[illegible]“[illegible]”[illegible] 24 [illegible] 24 [illegible] 18 [illegible]

[illegible] [17]

[illegible]（*Transactions* [illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible] [18] [illegible] 17 [illegible] 40 [illegible]

[illegible]

[illegible]1718[illegible]·[illegible]1679[illegible]18[illegible]20[illegible]·[illegible]1668[illegible]*Plus ultra* [illegible]/[illegible]18[illegible]

[illegible]



[illegible]·[illegible]Philip Galle[illegible]·[illegible]Pieter Bruegel the Elder[illegible]·[illegible]Hieronymus Cock[illegible]1558[illegible]

[illegible]1704[illegible]*Lexicon technicum* [illegible]

[illegible]“Al”[illegible]“*Ars sine Arte,cuius principium est mentire,medium laborare,&finis mendicar* ”[illegible]

[illegible]

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[1] [illegible]1654[illegible]Pensées[illegible]1662[illegible]

[2] Shea[illegible]Designing Experiments [illegible]2003[illegible]107—109[illegible]

[3] [illegible]“experience”[illegible]“experiment”[illegible]·[illegible]Christian Wolff[illegible]1732[illegible] Schmitt[illegible]“Experience and Experiment”[illegible]1969[illegible]80[illegible]

[4] Bacon[illegible]Novum organum[illegible]Vol. 1[illegible]82[illegible]“Restat experientia mera, quae, si occurat, casus; si quaesita sit, experimentum nominatur”[illegible]Bacon[illegible]Works[illegible]1857[illegible]Vol. 1[illegible]189[illegible]“experimentalis”[illegible]“experiri”[illegible]“to experiment”[illegible]

[5] [illegible]“expériment”[illegible]Clarke[illegible]Descartes’ Philosophy of Science[illegible]1982[illegible]41[illegible]n. 2[illegible]

[6] [illegible]10[illegible]3[illegible]“[illegible]”[illegible]

[7] [illegible]168[illegible]

[8] [illegible]Sabra[illegible]“[illegible]·[illegible]17[illegible]……[illegible]”[illegible]Ibn al-Haytham[illegible]The Optics[illegible] Books 1—3[illegible]on Direct Vision[illegible]1989[illegible]Book 2[illegible]18—19[illegible]

[9] [illegible]Clagett[illegible]The Science of Mechanics in the Middle Ages[illegible]1959[illegible]570[illegible]

[10] [illegible]Meteorologica[illegible]Book 3[illegible]Part 4[illegible]374a35—374b5[illegible]Newman[illegible]Promethean Ambitions[illegible]2004[illegible]242[illegible]238—289[illegible]

[11] □□□□□□□17□□60□□“experiment”□□□□□□□□□□□□□17□□40□□□□5□□□□□□□□□□□“□□”□□□□□□□□□□□□□□□□Pumfrey□Rayson & Mariani□“Experiments in 17th-century English”□2012□□404□

[12] “□□□”□Shapin□“Boyle and Mathematics”□1988□43□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[13] “Lynceus”□□□□□□□□□□□□□□□□“Accademia dei Lincei”□□□□□□“Academy of the Lynxes”□□“Academy of the Lynxes”□□□□□□“Accademia delle Linci”□

[14] □□□□□□□□□□□□□□□□·□□□□□□□□□·□□□□Johann Christophorus Sturm□□□□□□□□□□□Collegium experimentale□□□□□□□□□□□“□□……□□□……”□Anon□“An Accompt of Some Books”□1675□509□□□□□□□□□□□□“inventa et experimenta physico-mathematica”□□□□□□□—□□□□□□□□□□

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[16] □□□□521—522□□□□□·□□□Collins□“The TEA Set”□1974□□ Collins□“Tacit Knowledge, Trust and the Q of Sapphire” □2001□□Pinch in Labinger & Collins □eds.□□The One Culture? □2001□□23□

[17] □□□□·□□□□□□□□□□□□□□□□□□The Open Society and Its Enemies□1945□□1959□□□□□□1935□□□

[18] “‘□□□□□□□□□□□□□□□□□□□□□□□’□□□”□Wittgenstein□Philosophical Investigations□1953□para. 241 □□□□□□□□□

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——[illegible]·[illegible]Alexander Pope[illegible]

[illegible]·[illegible]1735[illegible]

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1619[illegible]11[illegible]10[illegible]·[illegible]1596—1650[illegible]Duke Maximilian[illegible]1619[illegible]

[illegible]“*Quid vitae sectabor iter*?”[illegible]“[illegible]”[illegible]“*est et non*”[illegible]“[illegible]”[illegible]·[illegible]·[illegible]·[illegible]Pierre de la Brosse[illegible]*Corpus poetarum*[illegible]1661[illegible]

[illegible]14[illegible]

[illegible]1637[illegible]*Discourse on Method*[illegible]1641[illegible]*The Principles*[illegible]

[illegible]“*cogito ergo sum*”[illegible]

[illegible]1618[illegible]11[illegible]10[illegible]Maurice of Nassau[illegible]·[illegible]1905[illegible]1939—1953[illegible]

[illegible]“[illegible]—[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“*pactum*”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[illegible]1630[illegible]

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[illegible]12[illegible]

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1619[illegible]11[illegible]11[illegible]
[illegible]1637[illegible]
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[illegible]Epicurus[illegible]Lucretius[illegible]
[1] [illegible]

[illegible]*The Assayer*[illegible]1623[illegible]

[illegible]*On the Nature of Things*[illegible]1666[illegible]1689[illegible]

[illegible]“[illegible]”[illegible]

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[illegible]“[illegible]”[illegible]Comte de Buffon[illegible]“[illegible]”[illegible][3][illegible]17[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”（*Nature and Nature’s Laws* [illegible]1703[illegible]“[illegible]……”[illegible]

[illegible]“[illegible]”[illegible]*lex naturae* [illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1[illegible]17[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“*lex* （*or ius* ）*naturae* ”[illegible]“*naturalis lex* （*or ius* ）”[illegible]1650[illegible]“Law of nature”[illegible]“natural law”[illegible]“law of nature”[illegible]100[illegible]“*loy naturelle* ”[illegible]“*legge naturale* ”[illegible]*“ley natural* ”[illegible]“*la loy* （*or les loix* ）*de la nature* ”[illegible]“*la loi naturelle* ”[illegible]“*la loy de nature* ”[illegible]“*la loy de la nature* ”[illegible]“*la loy de nature* ”[illegible]“*lex naturae* ”[illegible]“*Naturgesetz* ”[illegible]“*Naturrecht* ”[illegible]

[illegible]“law of nature”[illegible]“natural law”[illegible]“law of nature”[illegible]

[illegible]“law of nature”[illegible]“natural law”[illegible]

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[illegible]William of Ockham[illegible]1288—1348[illegible]“[illegible]”[illegible]·[illegible]Jean Gerson[illegible]1363—1429[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“*lex* ”[illegible]“*regula* ”[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]·[illegible]Jean Fernel[illegible]1497—1558[illegible]“[illegible]”[illegible]

[illegible]17[illegible]1630[illegible]*The World*[illegible]1633[illegible]*The Principles of Philosophy*[illegible]1644[illegible],1651[illegible]“[illegible]”[illegible]“[illegible]”[illegible][4][illegible]

[illegible]7[illegible]*regulae*[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“*lex naturae* ”[illegible]“*foedus naturae* ”[illegible]“*foedus* ”[illegible]“*lex* ”[illegible]“[illegible]”[illegible]“*quantum in se es* ”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]·[illegible]*An Apology for Raymond Sebond*[illegible]1580[illegible]1588[illegible]“*foedus naturae* ”[illegible]1580[illegible]

[illegible]……

[illegible]“[illegible]”[illegible]……[illegible]

omnia cum coelo terraque marique

Nil sunt ad summam summaïtotius omnem.

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[illegible]*une loy municipale* [illegible]*l’universelle* [illegible]*la loi universelle* [illegible]……[illegible]……[illegible]regles[illegible]……

[illegible]……[illegible]……[illegible]

[illegible]“*foedera naturae* ”[illegible]“[illegible]”[illegible]

[illegible]·[illegible]1654[illegible]

[illegible]

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“municipal laws”

1644

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[illegible]“[illegible]”[illegible]

[illegible]“*summa lex* ”[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”“[illegible]”[illegible]18[illegible]

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[illegible]“Q”[illegible]“U”[illegible]“Q”[illegible]“U”[illegible]“U”[illegible]“Q”[illegible]Malebranche[illegible]

[illegible]

[illegible]1641[illegible]*Meditations*[illegible]1663[illegible]·[illegible]William Whiston[illegible]

[illegible]1696[illegible]

[illegible]“[illegible]”

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[1] [illegible]12[illegible]

[2] [illegible]1980[illegible]

[3] [illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[4] [illegible]1620[illegible]Book 2[illegible]aphorism 2[illegible]Bacon[illegible]Works[illegible]1857[illegible]Vol. 1[illegible]228[illegible]

[5] [illegible]“[illegible]”[illegible]

[illegible] [illegible]/[illegible]

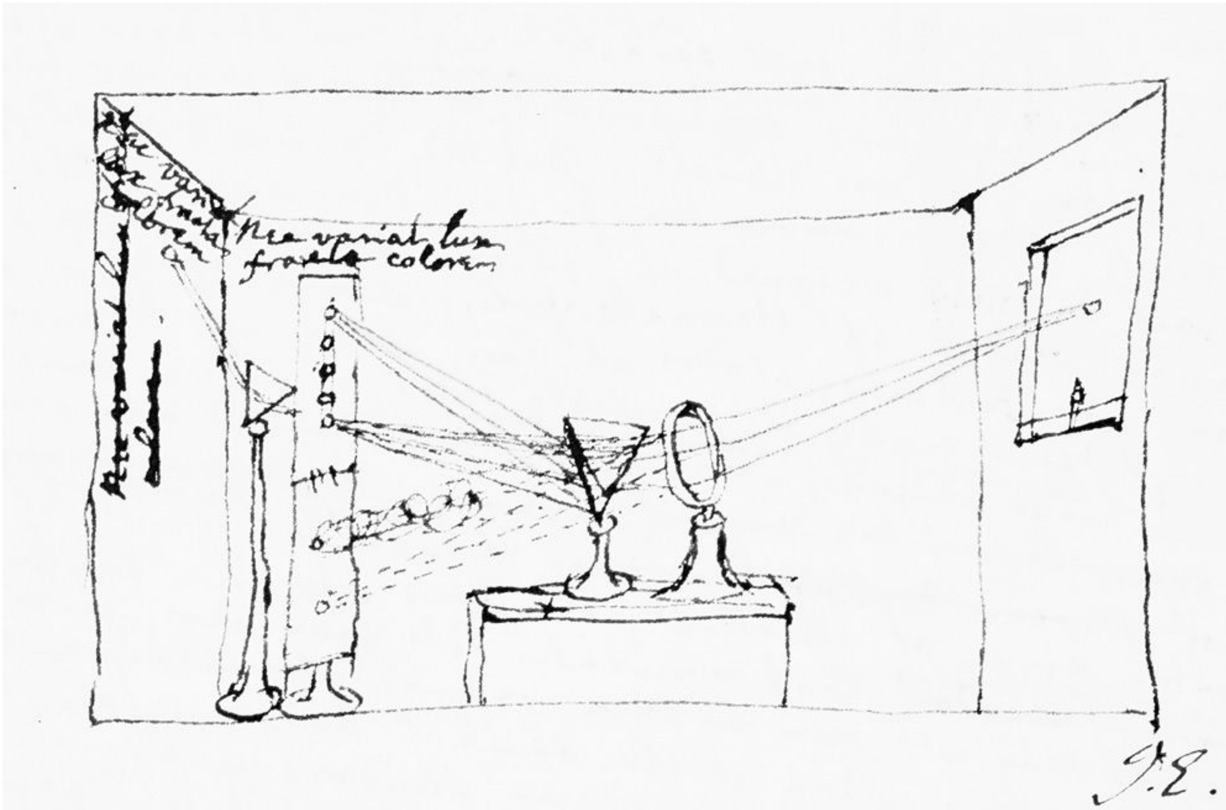
……[illegible]……[illegible]detection[illegible][1][illegible]

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1672[illegible]1[illegible]18[illegible]

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“1666[illegible]”[illegible]23[illegible]1669[illegible]10[illegible]1670[illegible]1666[illegible]22[illegible]6.7[illegible]



[illegible]1720[illegible]

[illegible]

[illegible][2][illegible]1670[illegible]1672[illegible]——[illegible]·[illegible]A *Letter of Mr Isaac Newton,Professor of the Mathematicks in the University of Cambridge;Containing His New Theory about Light and Colors* [illegible]

[illegible]40°[illegible]1666[illegible]1665[illegible]8[illegible]1663[illegible]1666[illegible]

[illegible]1665[illegible]1666[illegible]
1668[illegible]

[illegible]1664[illegible]1663[illegible]8[illegible]1666[illegible]·[illegible]Richard Westfall[illegible]“[illegible]”[illegible]·[illegible]“[illegible]1672[illegible]”[illegible]·[illegible]Peter Dear[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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“[illegible]”[illegible]1644[illegible]“[illegible]”[illegible]43—45[illegible]

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[illegible]“[illegible]”[illegible]hypothesis[illegible]“hypo-”[illegible]“[illegible]”[illegible]“hypodermic”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]1640[illegible]“[illegible]”[illegible]“[illegible]”[illegible][6]

[illegible]1576[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible][7][illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1616[illegible]*Discourse on the Flux and Reflux of the Sea* [illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]43”[illegible][8][illegible]*Essay concerning Humane Understanding* [illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]·[illegible]“[illegible]45”[illegible]“[illegible]”[illegible]“[illegible]45”[illegible][9]

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[illegible]“[illegible]”[illegible]17[illegible]60[illegible]“[illegible]”[illegible]1660[illegible]·[illegible]“[illegible]”[illegible]1664[illegible]1665[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[illegible]1713[illegible]“*hypotheses non fingo* ”[illegible]“[illegible]feign[illegible]”[illegible]“fingo”[illegible]“feign”[illegible]“[illegible]”[illegible]“feign”[illegible]17[illegible][10] 852[illegible]·[illegible]“[illegible]”[illegible][11] [illegible]“[illegible]”[illegible][12] [illegible]“[illegible]”[illegible]

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[illegible]17[illegible]1:1[illegible]y[illegible]x[illegible]“[illegible]—[illegible]”[illegible]

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The Imaginary Invalid 1673

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[illegible]“*théorie* ”[illegible]19[illegible]“[illegible]”[illegible]“*la théorie des planètes* ”[illegible]“theory/*théorie/teoria* ”[illegible][13][illegible]

[illegible]16[illegible]“theory”[illegible]“theoric”[illegible]1627[illegible]

[illegible][14]

[illegible][15][illegible]1649[illegible]1650[illegible]1653[illegible]1660[illegible][16]1662[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]1667[illegible]1672[illegible]“[illegible]·[illegible]”[illegible][17][illegible]“[illegible]”[illegible]1704[illegible]“[illegible]”[illegible][18]865[illegible]“[illegible]”[illegible]·[illegible]Thomas Burnet[illegible]*Telluris theoria sacra* [illegible]1681[illegible]1684[illegible]

□“□□□□”□*The Theory of the Earth*□□□□□□1696□□□□·□□□□□□□□□□□□□□□*A New Theory of the Earth*□□□□□□□□□□□□□□□□□□□□□□□□□□·□□□□□Johann Bernoulli□□□□□□□□□□□□□*Nouvelle théorie du centre d’oscillation*□□1714□□□□□□□□□□□□□□□□□□□□□□□□□□□*Élémens de la philosophie de Newton*□1738□□□□“*la théorie de la lumière*”□□□□□□□□·□□□□George Berkeley□□□□□1732□□□□□□□□□□□□□□□□“*Saggio d’una nuova teoria sopra la visione*”□□□□□□□□□□□

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[illegible]the Lord St Alban[illegible]·[illegible]

[illegible]*Deliramenti catarrhi*[illegible]1650[illegible]“[illegible]”[illegible]“[illegible]—[illegible]”[illegible]

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[1] “Detection”[illegible]17[illegible]“discovery”[illegible]“detego”[illegible]“[illegible]”[illegible]Detection”[illegible]“discovery”[illegible]“detection”[illegible]

[2] [illegible]

[3] [illegible]v[illegible]

[4] [illegible]

[5] [illegible]“[illegible]……”[illegible]Newton[illegible]The Correspondence of Isaac Newton[illegible]1959[illegible]Vol. 1[illegible]96—97[illegible]105 n. 19[illegible]190 n. 18[illegible]386 n. 22[illegible]

[6] “[illegible]……[illegible]‘[illegible]’[illegible]‘[illegible]’[illegible]”[illegible]Hobbes[illegible]“Tractatus opticus”[illegible]in Malcolm[illegible]“Hobbes and Roberval”[illegible]2002[illegible]183—184–Malcolm[illegible]1647[illegible]Pascal[illegible]Oeuvres[illegible]1923[illegible]98—101[illegible]

[7] [illegible]“[illegible]”[illegible]1646[illegible]Browne[illegible]Pseudoxia epidemica ii. ii. 60[illegible]“[illegible]……[illegible]……[illegible]……[illegible]”

[8] [illegible]“[illegible]”[illegible]Westfall[illegible]“Unpublished Boyle Papers”[illegible]1956[illegible]69—70[illegible]

[9] [illegible]Descartes[illegible]Philosophical Writings[illegible]1984[illegible]250—251[illegible]255—258 [illegible]40—41[illegible]150[illegible]152—153[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[10] [illegible]“[illegible]”[illegible]Newton[illegible]Unpublished Scientific Papers[illegible]1962[illegible]353[illegible]

[11] “aliis ante me hanc concessam libertatem, ut quos libet fingerent circulos ad demonstran- dum phaenomena astrorum” [illegible] Copernicus [illegible] De revolutionibus orbium coelestium [illegible]1543[illegible] iiii [illegible]r[illegible]“Of Superstition” [illegible]Bacon[illegible]The Essayes[illegible]1625[illegible]97[illegible]“feign”[illegible]“[illegible]”[illegible]A Discourse[illegible]1640[illegible]26[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“confingo”[illegible]Hevelius & Horrocks[illegible]Mercurius in Sole visus[illegible]1662[illegible]133[illegible]“[illegible]”[illegible]Cohen[illegible]“The First English Version of Newton’s Hypotheses non fingo”[illegible]1962[illegible]380—381[illegible]“Feign”[illegible]“[illegible]”[illegible]Cohen[illegible]“‘to feign’[illegible]”[illegible]Cohen[illegible] “The First English Version of Newton’s Hypotheses non fingo”[illegible]1962[illegible]381[illegible]

[12] [illegible]1572[illegible]Granada[illegible]Mosley[illegible]and others[illegible]Christoph Rothmann’s Discourse[illegible]2014[illegible]55—63[illegible]134—143[illegible]

[13] [illegible]

[14] [illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[15] [illegible]“theory”[illegible]“theorize”[illegible]1638[illegible]

[16] “[illegible]”Boyle[illegible]New Experiments Physicomechanical[illegible]1660[illegible]2 = Boyle[illegible]The Works [illegible]1999[illegible]Vol. 1[illegible]157[illegible]

[17] [illegible]“[illegible]”[illegible]A Defence of the Doctrine Touching the Spring and Weight of the Air[illegible]1662[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[18] “theoria”[illegible]1687[illegible]“Theory”[illegible]·[illegible]Andrew Motte[illegible]1729[illegible]

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“bankrupt ” [illegible] *“brankrowte ”* [illegible] *“banque route ”* [illegible] *“faire banqueroute ”* [illegible] “foro cedere,solum vetere” [illegible] *“banque* [illegible] *mensa ”* [illegible] *“route* [illegible] *vestigium ”* [illegible] “[illegible]” [illegible] “[illegible]” [illegible]

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[illegible]4[illegible]*Principles and Duties of Natural Religion* [illegible]1675[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[illegible]“*preuve* ”[illegible]“proof”[illegible]“evidence”[illegible]“proofs”[illegible]“evidence”[illegible]

[illegible]“proof”[illegible]“the evidence”[illegible]“[illegible]‘evidence’[illegible]”[illegible]“*les preuves* ”[illegible]“[illegible]”[illegible]“*médecine fondée sur les faits* ”[illegible]“*evidencia* ”[illegible]18[illegible]

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[illegible]*Syntagma philosophicum*[illegible]1656[illegible]·[illegible]
[illegible]Pierre Gassendi[illegible]
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[illegible]“[illegible]”[illegible]1660[illegible]“[illegible]”[illegible]“proof”[illegible]“*preuve*”[illegible]“evidence”[illegible]“proof”[illegible]

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[illegible]1593[illegible]·[illegible]*Book of Revelation*[illegible]“[illegible]”[illegible]

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[illegible]19[illegible]“[illegible]”[illegible]19[illegible][6][illegible]

[illegible]“evidence”[illegible]

[illegible]17[illegible]·[illegible]*Of the Principles and Duties of Natural Religion*[illegible]1672[illegible]75[illegible]·[illegible]*The Primitive Origination of Mankind*[illegible]1677[illegible]280[illegible],[illegible]

[illegible]*Treatise*[illegible]1739—1740[illegible]48[illegible]·[illegible]William Paley[illegible] *Natural Theology;or,Evidences of the Existence and Attributes of the Deity*[illegible]1802[illegible]

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[illegible]1976[illegible]·[illegible]“[illegible]”[illegible]Mathematical versus Experimental Traditions in the Development of Physical Science[illegible]17[illegible]6[illegible][10][illegible]*An Introduction to the Study of Experimental Medicine*[illegible]1865[illegible]·[illegible]Claude Bernard[illegible]

“evidence” “*preuve* ” [11]

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[1] [illegible]Meditations on First Philosophy[illegible]1641[illegible]1629[illegible]“[illegible]”[illegible]Berkel[illegible]Isaac Beeckman[illegible]2013[illegible]81[illegible]173—185[illegible]Lüthy[illegible]“Where Logical Necessity Turns into Visual Persuasion”[illegible]2006[illegible]

[2] “[illegible]”[illegible]·[illegible]1363—1429[illegible]Schüssler[illegible]“Jean Gerson, Moral Certainty”[illegible]2009[illegible]“[illegible]”[illegible]Leeuwen[illegible]The Problem of Certainty[illegible]1963[illegible]

[3] [illegible]12[illegible]90[illegible]Franklin[illegible]The Science of Conjecture[illegible]2001[illegible]18—19[illegible]

[4] [illegible]17[illegible]

[5] [illegible]“[illegible]……”[illegible]Arnauld & Nicole[illegible]La Logique[illegible]1970[illegible]294[illegible]

[6] [illegible]1694[illegible]5[illegible]25[illegible]Hawes[illegible]“[illegible]”Newton & Cotes[illegible]Correspondence[illegible]1850[illegible]284[illegible]Bacon[illegible]Novum organum Vol. 1[illegible]xcv[illegible]Bacon[illegible]Works[illegible]1857[illegible]Vol. 1[illegible]201[illegible]

[7] [illegible]·[illegible]“[illegible]” Boyle[illegible]Certain Physiological Essays[illegible]1661[illegible]9 = Boyle[illegible]The Works[illegible]1999[illegible]Vol. 2[illegible]14[illegible]

[8] [illegible]“CUDOS”[illegible]“O”[illegible]“CUDOS”[illegible]

[9] [illegible]“[illegible]”[illegible]1638[illegible]Essais[illegible]1580[illegible]Book 2[illegible]Ch. 7[illegible]1603[illegible]

[10] 1756[illegible] [illegible]“[illegible]”[illegible]

[11] [illegible]Cassin[illegible]Rendall[illegible]Apter[illegible]Dictionary of Untranslatables[illegible]2014[illegible]“evidence/proof”[illegible]“evidence”[illegible]/[illegible]

[12] “[illegible]……[illegible]

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Philosophical Essays[illegible]1748[illegible]47—48[illegible]

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[illegible]*Elements of Philosophy*[illegible]1656[illegible]

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[illegible]“*jacquemart*”[illegible]“jack”[illegible]1352—1354[illegible]“[illegible]”[illegible]1676[illegible]

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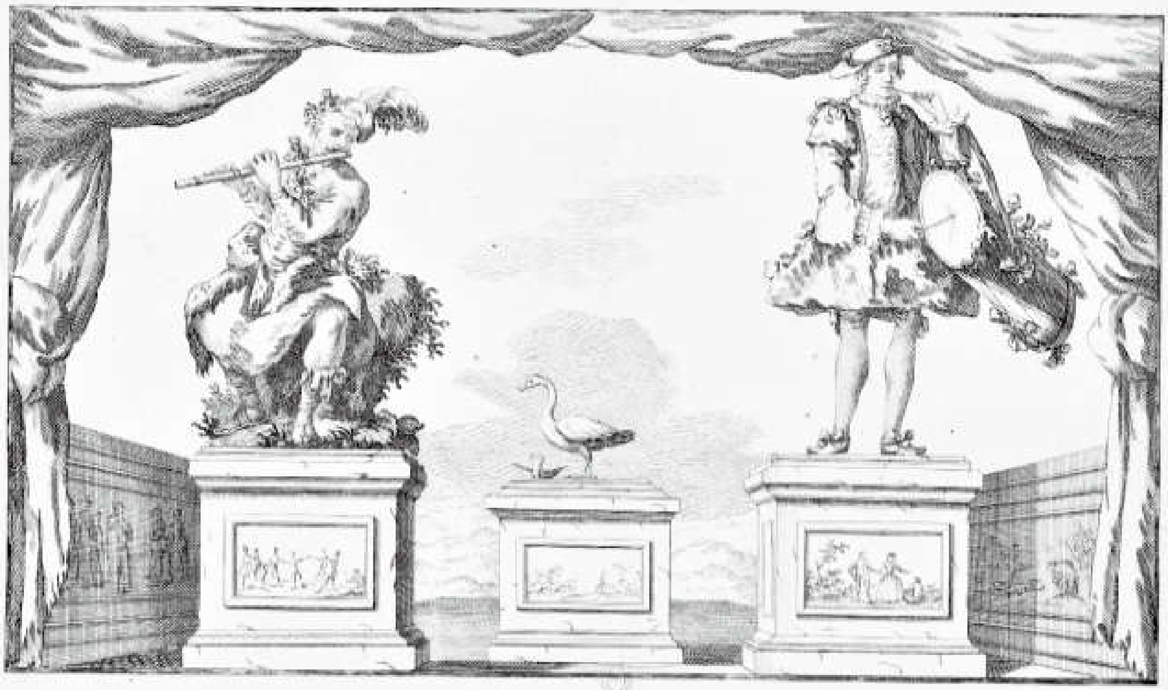
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[illegible]·[illegible]·[illegible]·[illegible]·[illegible]·[illegible]·[illegible]Julien Offray de La Mettrie[illegible]*Man the Machine*[illegible]1748[illegible]100[illegible]·[illegible]·[illegible]Jacques de Vaucanson[illegible]

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AVEC PERMISSION
DU MAGISTRAT DE LA VILLE,

On exposera a la vûe du Publique les 3. chefs d'Oeuvres Mechaniques du Célébre Monsieur VAUCANSON, *Mémbre de l'Academie Royale des Sciences de Paris, qui consistent en trois Figures Automates.*

SCAVOIR:

LA premiére, Un homme de Grandeur naturele habillé en SAUVAGE qui joué Onze airs sur la Flûte traversiére par les mêmes mouvements des Levres des doits & le souffle de sa bouche comme l'homme vivant.

LA seconde, un homme aussi de Grandeur naturelle, habillé en BERGER PROVENCAL qui joué 20. airs differens sur le Flûtet de Provence d'une main & du Tambourin de l'autre avec toute la preçision & perfection de même qu'un habile joueur.

LA troisiéme un CANARD artiçiel en Cuivre d'oré qui Bois, Mange, Croüasse Barbote dans l'eau & fait la digestion comme un Canard vivant.

CEs 3. Pieces qui ont fait meriter une Récompense a l'Autheur d'une Pension de 8. mille & 5. cent Livres par le Roy, & qui ont engagé un grand nombre des Personnes de distinction a des longs & penibles Voyages pour les voir, marque mieux leur mérite qu'un plus long detail. On Espere que dans cette Ville un chacun sera charmé de profiter de l'occasion de les voir & qu'ils en feront la difference du nombre des bagatels, que l'on fait voir tous les jours au publique. Comme le Proprietaire doit se trouver le 12 a Francfort il donnera pendant 8. jours a commencer ce jourd'huy 2. Répresentations par jour a 3. & 5. heures apres midy au Poil du Miroir, l'on payera 24. Sols au première, 16. au second & 8. au troisieme place, & comme il n'y a aucune tricherie dans ces beaux ouvrages l'on enfera voir l'interieur a decouvert en payant 24. Sols par personne, l'on vend aussi dans la même Sale le mémoire presenté par l'Auteur a Messieurs de l'Academie Royale qui contient un ample detail des pieces contenües dans ces ouvrages & aussi l'Approbation des Messieurs de l'Academie.

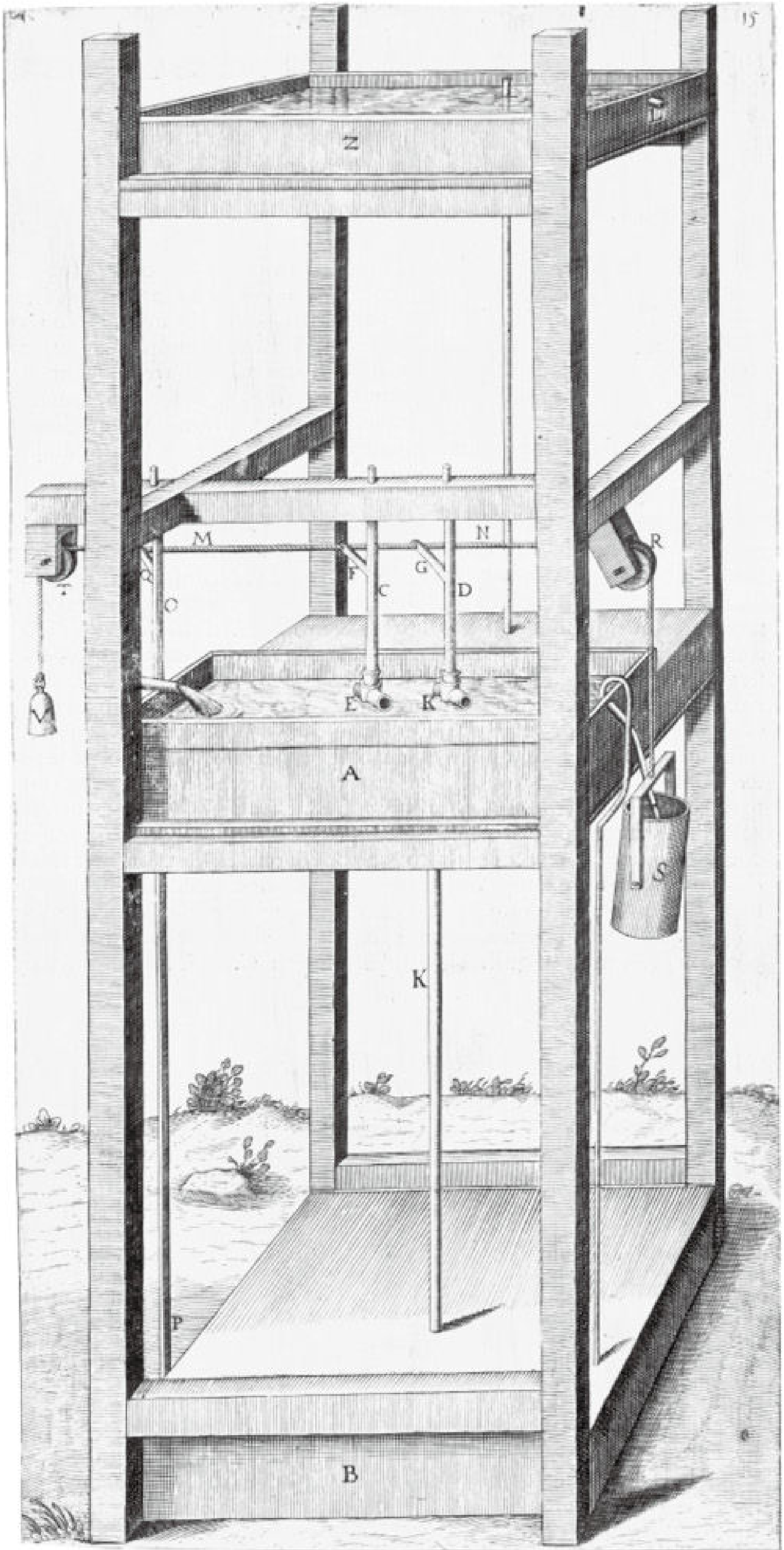
Les Compagnies particulieres pourront les voir a tout heure, en avertissant d'avance & payeront 3. Livres par Personne etant au moin au nombre des huits.

[illegible]18[illegible]
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[illegible]17[illegible]·[illegible]Conrad Drebbel[illegible]·[illegible]18[illegible]·[illegible]·[illegible]

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[illegible]·[illegible]*La Raison des forces Mouvantes*[illegible]1615[illegible]

[illegible]“[illegible]”[illegible]·[illegible]1675[illegible][3] [illegible]·[illegible]1668[illegible]17[illegible]·[illegible]Leonardus Lessius[illegible]1631[illegible]

[illegible]

[illegible]21[illegible]Ennius[illegible]*Annals*[illegible]

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Dialogues Concerning Natural Religion 1779

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[1] [illegible]Dionysius[illegible]“Aut deus naturae patitur, aut dissolvitur machina mundi”[illegible]moles et machina mundi[illegible]

[2] [illegible]413[illegible]

[3] [illegible]“[illegible]”[illegible]

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1661[illegible]3[illegible]·[illegible]John Mompesson[illegible]

1662[illegible]11[illegible]5[illegible]20[illegible]Cragg[illegible]

[illegible]*Saduscismus triumphatus*[illegible]·[illegible]1664[illegible]1666[illegible]1667[illegible]*A Blow at Modern Sadducism*[illegible]1681[illegible]·[illegible]5[illegible]“[illegible]”[illegible]1677[illegible]·[illegible]

[illegible]*The Displaying of Supposed Witchcraft* [illegible]

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“modern”[illegible]*modernus* [illegible]6[illegible][1] [illegible]410[illegible]Theodoric[illegible]493—526[illegible]“[illegible]”[illegible]1000[illegible]1382[illegible]·[illegible]Filippo Villani[illegible]“[illegible]”[illegible]1604[illegible]“*medium aevum* ”[illegible]“medieval”[illegible]“the Renaissance”[illegible]“the Enlightenment”[illegible]19[illegible]50[illegible]“early modern”[illegible]1453[illegible]“[illegible]”[illegible]19[illegible]16[illegible]19[illegible]“modernity”[illegible]19[illegible][2] [illegible]“postmodern”[illegible]50[illegible]

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[illegible][3] [illegible]1616[illegible]“modern age”[illegible]“modern world”[illegible]“modern

times”[illegible][4][illegible]·[illegible]Alessandro Tassoni[illegible]1620[illegible]

[illegible]“modern”[illegible]17[illegible]60[illegible]1668[illegible]“[illegible]”[illegible]“modern”[illegible]the modern world[illegible]modern times[illegible]the modern way of Philosophy[illegible]modern Experimenters[illegible]the modern Discoveries[illegible][5][illegible]“*The Origins of Modern Science* ”[illegible]“modern”[illegible]“modern”[illegible]“the modern”[illegible]

[illegible]“modern”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]18[illegible]

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[illegible]·[illegible]1704[illegible]1697[illegible]1690[illegible]·[illegible]William Temple[illegible]1688[illegible]1699[illegible]17[illegible]20[illegible]“[illegible]”[illegible]

[illegible]1694[illegible]1698[illegible]·[illegible]·[illegible]
1699[illegible]

[illegible]1701[illegible]·[illegible]

[illegible]50[illegible]Ariosto[illegible]Orlando[illegible]

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[illegible]*Defence*[illegible]1701[illegible]1705[illegible]*Defense*[illegible]*Tale of a Tub*[illegible]

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[6] [illegible] [7] [illegible] [8] 1001 [illegible] 16 [illegible] “[illegible]” [illegible] “[illegible]”。

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[illegible]·[illegible]Keith Thomas[illegible]*Religion and the Decline of Magic* [illegible]1971[illegible]19[illegible]·[illegible]Nicholas Barbon[illegible]1680[illegible]18[illegible]19[illegible]

[illegible]18[illegible]*Spectator* [illegible]1711[illegible]·[illegible]Joseph Addison[illegible]

[illegible]

[illegible]18[illegible]·[illegible]Jane Wenham[illegible]1712[illegible]1716[illegible]·[illegible]Mary Hickes[illegible]9[illegible]1736[illegible]

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[illegible]1660[illegible]*Philosophia pia*[illegible]1671[illegible]1690[illegible]“[illegible]”[illegible]·[illegible]1660[illegible]“[illegible]”[illegible]1691[illegible]·[illegible]Nicholas Saunderson[illegible]*Letter on the Blind*[illegible]1710[illegible]

[illegible]12[illegible]

[illegible]Spinoza[illegible]

[illegible]“[illegible]”[illegible]

[illegible]·[illegible]1677[illegible]

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[illegible]1653—1691[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“*advocatus diaboli*”[illegible]1587[illegible]“[illegible]”[illegible]

[illegible]·[illegible]*Antidote against Atheism*[illegible]1653[illegible]

[illegible]“[illegible]”[illegible]*The Devil of Mascon*[illegible]1658[illegible]·[illegible]Méric Casaubon[illegible]·[illegible]1659[illegible]·[illegible]Richard Baxter[illegible]*The Certainty of the World of Spirits*[illegible]1691[illegible]


Saducismus Triumphatus.

[illegible]·[illegible]1681[illegible]
[illegible]449—450[illegible]·[illegible]Julian Cox[illegible]
[illegible]·[illegible]Margaret Jackson[illegible]·[illegible]Richard Jones[illegible]—[illegible]

[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]32[illegible]1681[illegible]66[illegible]

[illegible]18[illegible]·[illegible]Francis Hutchinson[illegible]*Historical Essay Concerning Witchcraft*[illegible]1718[illegible]1722[illegible]*Cato’s Letters*[illegible]Trenchard[illegible]Gordon[illegible]·[illegible]Mary Toft[illegible]1726[illegible]17[illegible]

[illegible]5[illegible]100[illegible]5[illegible]17[illegible]

[illegible]*An Enquiry Concerning Human Understanding*[illegible]1748[illegible]“[illegible]”[illegible]“Of Miracles”[illegible]·[illegible]

[illegible]1712[illegible]·[illegible]

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1687[illegible]18[illegible]40[illegible]1727[illegible]10[illegible]

[illegible]1692[illegible]·[illegible]*Reflectionsa* [illegible]1690[illegible]“[illegible]”

[illegible]8[illegible]*The Folly and Unreasonableness of Atheism Demonstrated from the Advantage and Pleasure of a Religious Life,the Faculties of Human Souls,the Structure of Animate Bodies&the Origin and Frame of the World* [illegible]1693[illegible]“[illegible]”[illegible]“[illegible]……[illegible]”[illegible]“[illegible]”[illegible]

[illegible]1692[illegible]18[illegible]·[illegible]1681—1689[illegible]1684—1690[illegible]

[illegible]10[illegible]

[illegible]·[illegible]Herbert Croft[illegible]“[illegible]”[illegible]·[illegible]John Ray[illegible]*The Wisdom of God Manifested in His Works of Creation*[illegible]1691[illegible]

[illegible]·[illegible]*A New Theory of the Earth*[illegible]1696[illegible]18[illegible]·[illegible]Anthony Collins[illegible]*Discourse of Freethinking*[illegible]1713[illegible]“[illegible]”[illegible]Phileleutherus[illegible]*Remarks upon a Late Discourse of Freethinking*[illegible]1713[illegible]·[illegible]Balthasar Bekker[illegible]*The Enchanted World*[illegible]1691[illegible]·[illegible]Samuel Harsnett[illegible]1605[illegible]*Declaration of Egregious Popish Impostures*[illegible]·[illegible]

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[illegible]Sydenham[illegible]Ratcliff[illegible]

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[illegible]·[illegible]16[illegible]80[illegible]1663[illegible]*A Discourse Concerning Prodigies*[illegible]·[illegible]John Spencer[illegible]

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[illegible]1653—1692[illegible]1692[illegible]Middleton[illegible]1747[illegible]*Free Enquiry*[illegible]1748[illegible]*Credulity,Superstition and Fanaticism*[illegible]1762[illegible]Hogarth[illegible]·[illegible]

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[illegible]1653—1692[illegible]1692[illegible]·[illegible]John Wesley[illegible]


CREDULITY, SUPERSTITION, and FANATICISM.
A MEDLEY.
Believe not every Spirit but try the Spirits whether they are of God because many false Prophets are gone out into the World.
1 John, C. 4. V. 1.
Design'd and Engraved by Wm. Hogarth.

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· Samuel Clarke ·James Bradley— *Physico-Theology* 1713 · William Derham · · Charles Blount 1680 · *The Two First Books of Philostratus,Concerning the Life of Apollonius Tyaneus:Written Originally in Greek,and now Published in English:Together with Philological Notes upon each Chapter* 19

· James Brydges · George Parker · John Keill *Introductio ad veram physicam* 1701 *Physica* 1697 · Willem’s Gravesande 1720 1723 · *A View of Sir Isaac Newton’s Philosophy* 1728 · John Pemberton · James Jurin *Geometry No Friend to Infidelity* 1734 *New Theory* 1696 · Nehemiah Grew *Cosmologia sacra* 1701 · Edward Wells *The Young Gentleman’s Astronomy* 1718 · *Astronomical Dialogues between a Gentleman and a Lady* 1729 · *The Elements of Sir Isaac Newton’s Philosophy* 1738 · Francesco Algarotti · *Sir Isaac Newton’s Philosophy Explain’d for the Use of the Ladies* 1739 6 30

· · Émilie du Châtelet
1756
· Laura Bassi
1732
· Aphra Behn ·
Elizabeth Carter

1715—1745
The Vanity of Authors 1751 · “
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Humphrey Ditton 1713 · 1710
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Mechanical Lectures 1734 121
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[3] □□□□□□36—37□□

[4] □□□□□□□□□□□□□□26□□note xxiv□□□□□□□□□□1600□□□□□□□□□□□□□□1593□□□□1600—1624□□□□49□□□1625—1649□□□□88□□□1650—1674□□□□179□□□1675—1699□□□□162□□□□□□□17□□50□□□

[5] □□□□□□□□□□□□“modern”□□□□□ Bartholin□Walaeus & others□Bartholinus Anatomy□Made from the Precepts of His Father□and From the Observations of All Modern Anatomists □1662□□ Dary□The General Doctrine of Equation Reduced into Brief Precepts□In III Chapters. Derived from the Works of the Best Modern Analysts □1664□□Salusbury □ed.□□Mathematical Collections and Translations in Two Parts from the Original Copies of Galileus and Other Famous Modern Authors □1667□□Croll□Hartmann & others□Bazilica Chymica & Praxis Chymiatricae□or□ Royal and Practical Chymistry in Three Treatises□Wherein All Those Excellent Medicines and Chymical Preparations are Fully Discovered□from whence All Our Modern Chymists Have Drawn Their Choicest Remedies□1670□□Barbette□The Chirurgical and Anatomical Works . . . Composed according to the Doctrine of the Circulation of the Blood and Other New Inventions of the Moderns□1672□□

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[illegible]*Some Considerations* [illegible]1663[illegible]

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[illegible]18[illegible]*History of the Royal Society* [illegible]“[illegible]”[illegible]1666[illegible]“*naturae investigandae et perficiendis artibus* ”[illegible]1699[illegible]“*invenit et perficit* ”[illegible]

[illegible]·[illegible]Ambroise Sarrotti[illegible]1675—1681[illegible]Paolo[illegible][1][illegible]“[illegible]”[illegible]·[illegible]1726[illegible]

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·Boris Hessen 1936 1931 “ ” 1938 17 *Science,Technology and Society in Seventeenth-century England* · 17

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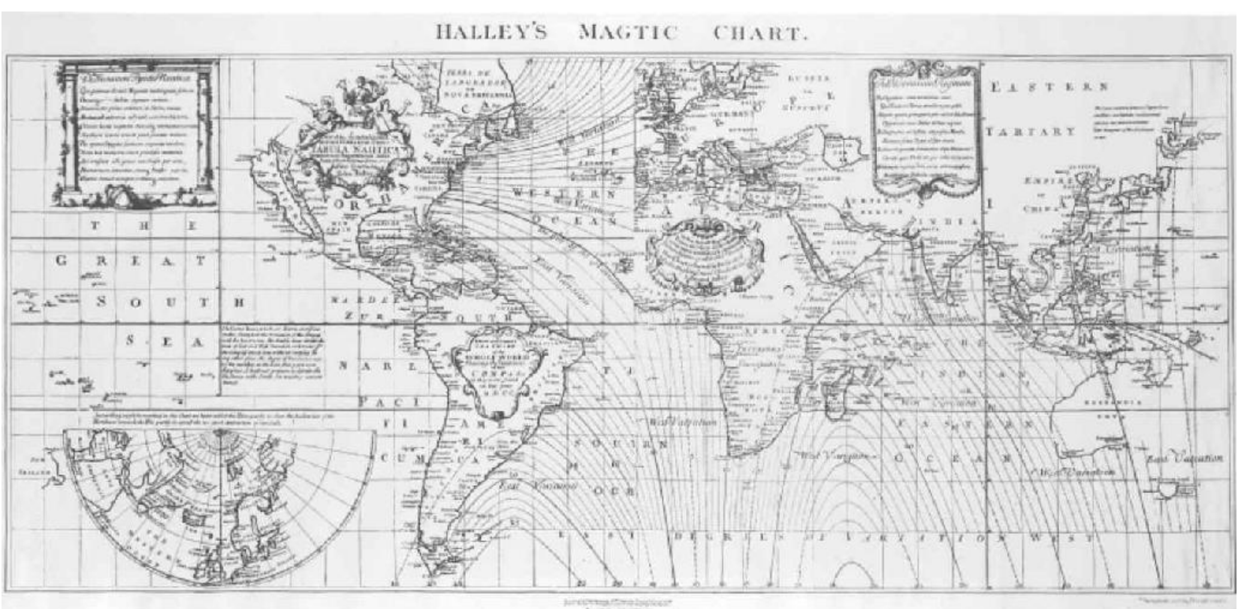
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[illegible]17[illegible]13[illegible]1000[illegible]*Domesday Book*[illegible]1086[illegible]6000[illegible]1185[illegible]1830[illegible]18[illegible]



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[illegible]1605[illegible]

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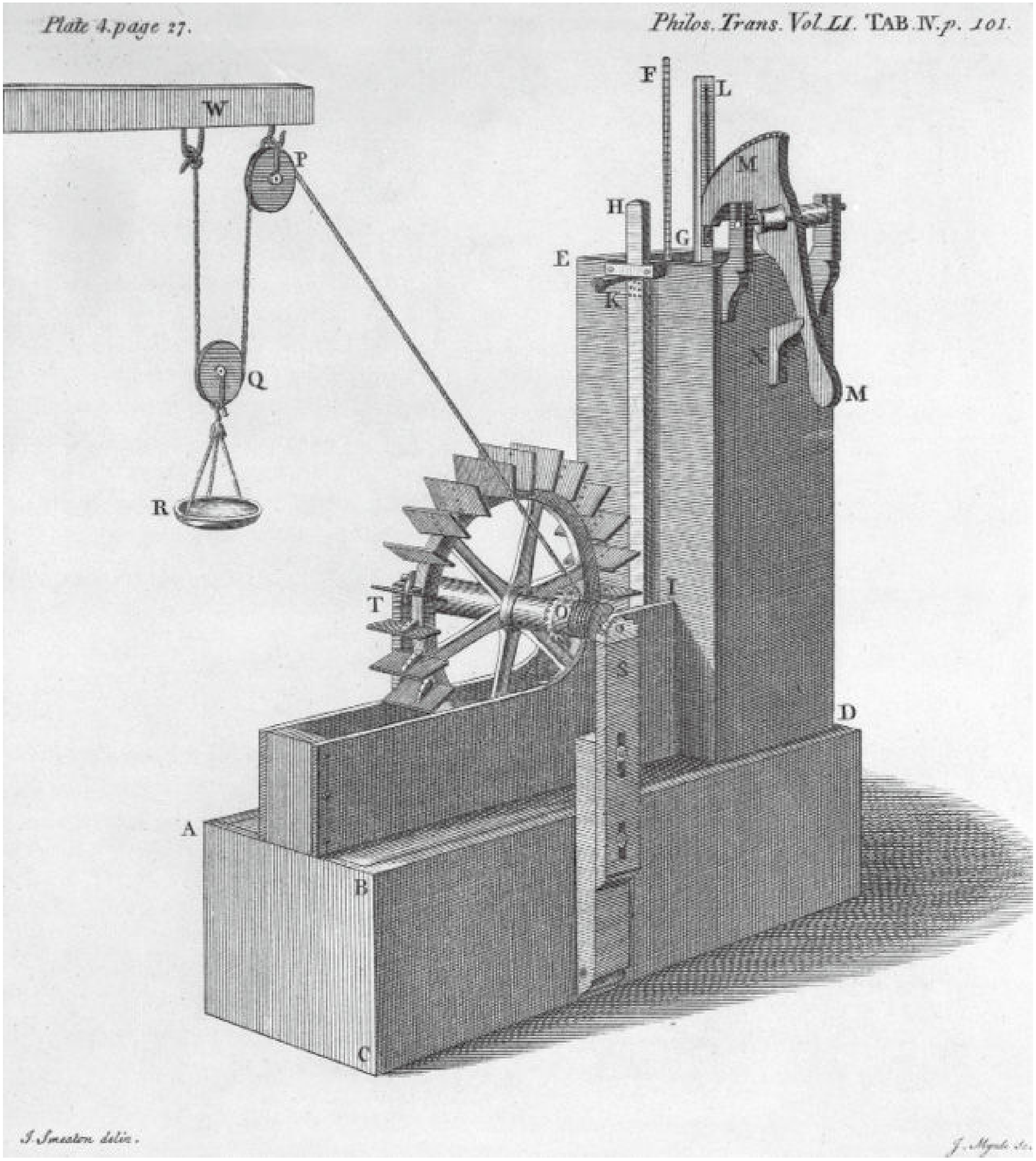
[illegible]1662[illegible]·[illegible]Simon Patrick[illegible]“[illegible]”[illegible]

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[illegible]*Della misura delle acque correnti*[illegible]1628[illegible]1643[illegible]·[illegible]Famiano Michelini[illegible]*Trattato della direzioni de'fiumi*[illegible]1664[illegible]

[illegible]100[illegible]·[illegible]John Smeaton[illegible]


Plate 4. page 27.
Philos. Trans. Vol. LI. TAB. IV. p. 101.
J. Smeaton delin.

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·□□□Mary Shelley□□1818□□□□□□□□□*Frankenstein* □□□□□□□
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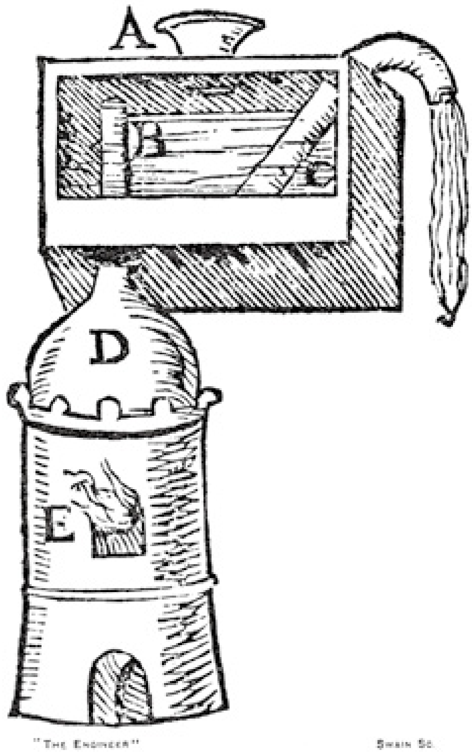
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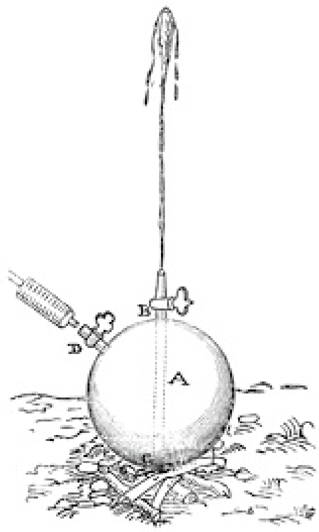
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[illegible]1680[illegible]1681—1684[illegible]1687[illegible]1695[illegible]



[illegible]·[illegible]·[illegible]·[illegible]*Tre libri de’ spiritali*[illegible]1606[illegible]

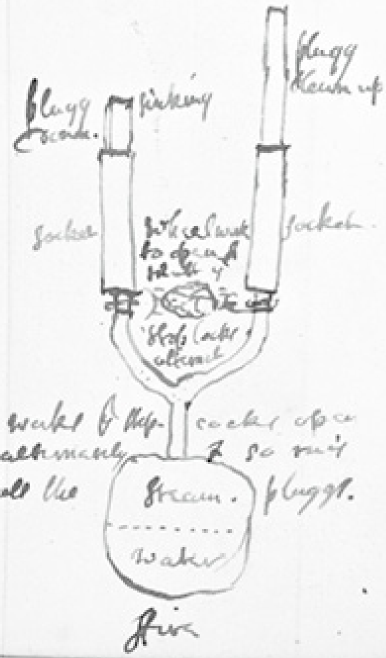


[illegible]·[illegible]*La Raison des forces mouvantes*[illegible]1615[illegible]

[illegible]

[illegible]Louis XIV[illegible]200[illegible]500[illegible]90[illegible]8229.6[illegible]

An Engin to doe any work's with by fire & water.



As this works the stop-cocks open & shutt alternately & so rais & lett fall the pluggs.



The kiming of ye pluggs, an ordered to turne a wheel by a toothed beam; wch when at the top, is struck loose by a catch, or snack. and then ye beam falls downe, & with its weight turnes ye wheelwork, wch shutts ye [illegible] ye steam from that pipe or socket, by a stop cock, & [illegible] opens the other & then that rises in like manner, & so they play alternately without help.

Other uses are derived from the wheel, wch these rising beams work upon, that alternately [illegible] of ye occasion is. for if a Motion can be given either to & fro or continuall, it may be applyed by wheel work to almost all occasions;

But this I saw only in model.

[illegible]·[illegible]Add. MS 32504[illegible]

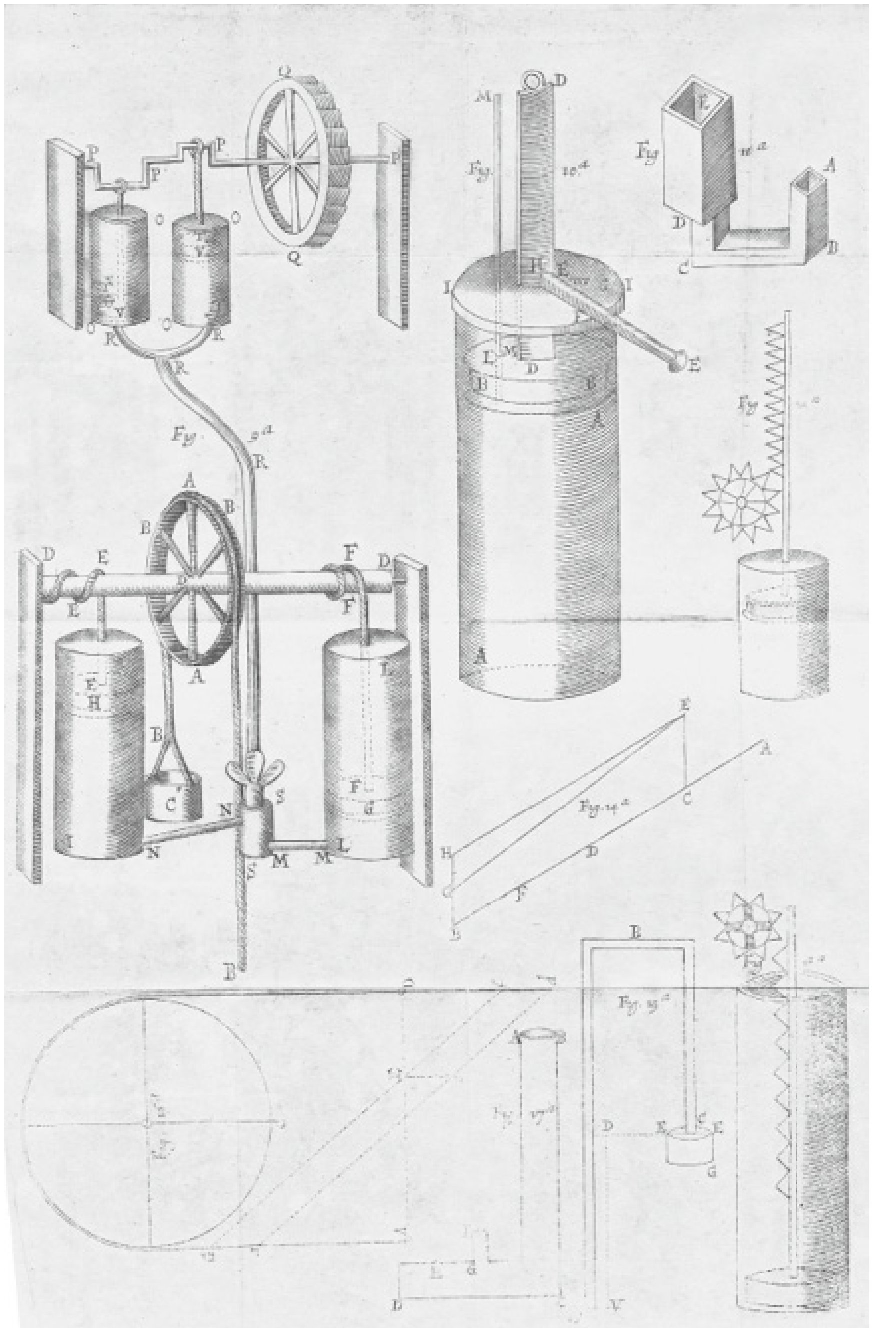
1704[illegible]3[illegible]·[illegible]Roger North[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1651[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1701[illegible]

[illegible]1676[illegible]1695[illegible]

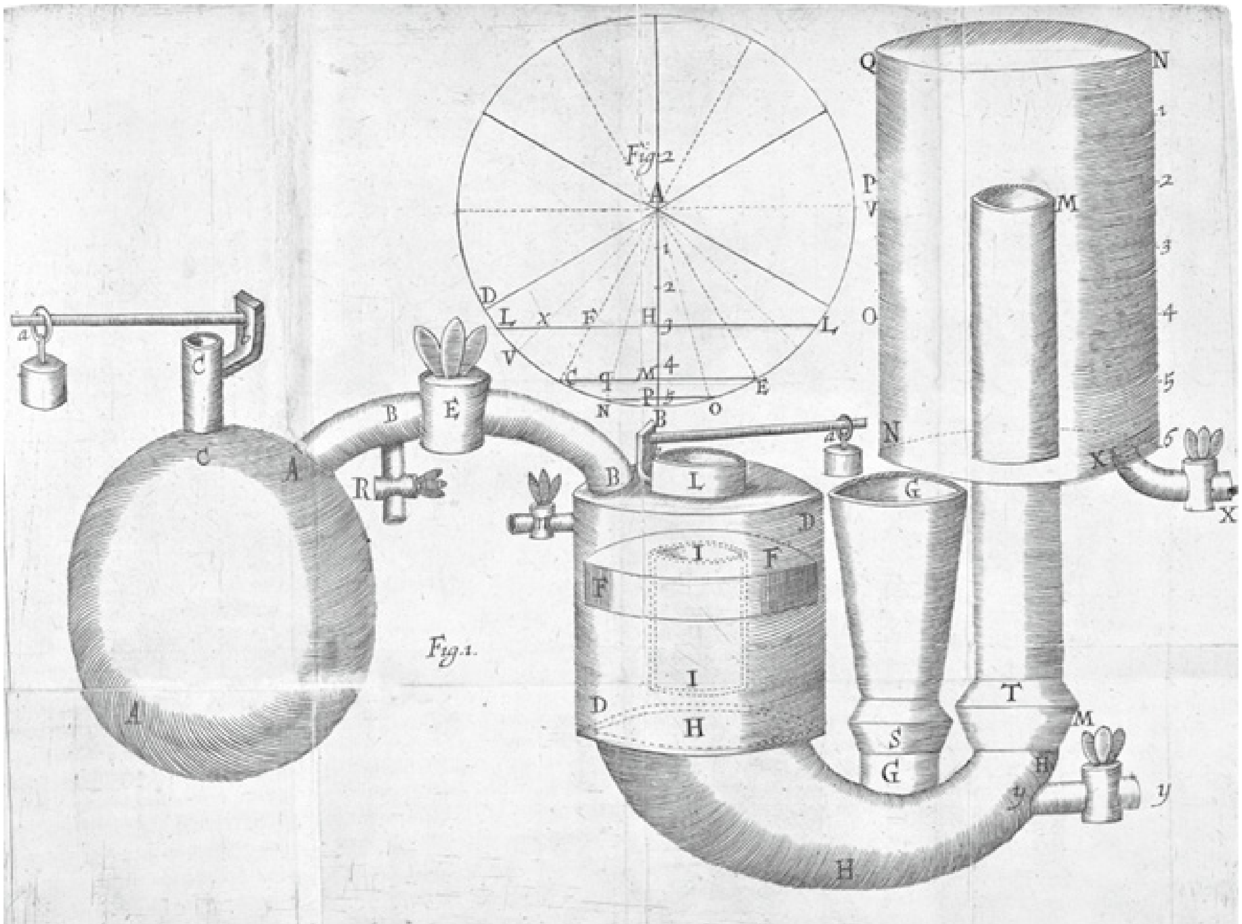
[illegible] 1704 [illegible]
1695—1704 [illegible]

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1698 [illegible] · [illegible] Thomas Savery [illegible] · [illegible]
[illegible] Edward Somerset [illegible] 1667 [illegible]
[illegible] 30 [illegible] 9.1 [illegible]



[illegible]1695[illegible]B[illegible]



[illegible]*Nouvelle manière pour élever l'eau par la force du feu* [illegible]1707[illegible]G[illegible]2[illegible]

[illegible]

[illegible]15[illegible]24.1[illegible]

[illegible]

[illegible]1707[illegible]1880[illegible]

[illegible]1707[illegible]/[illegible]

[illegible]80[illegible]100[illegible]“[illegible]400[illegible]”[illegible]400[illegible]5[illegible]72.5[illegible]4[illegible]40[illegible][5]

[illegible]19[illegible][6][illegible]1712[illegible]1[illegible]23[illegible]“[illegible]”[illegible]

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[illegible]5[illegible]

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Cawley

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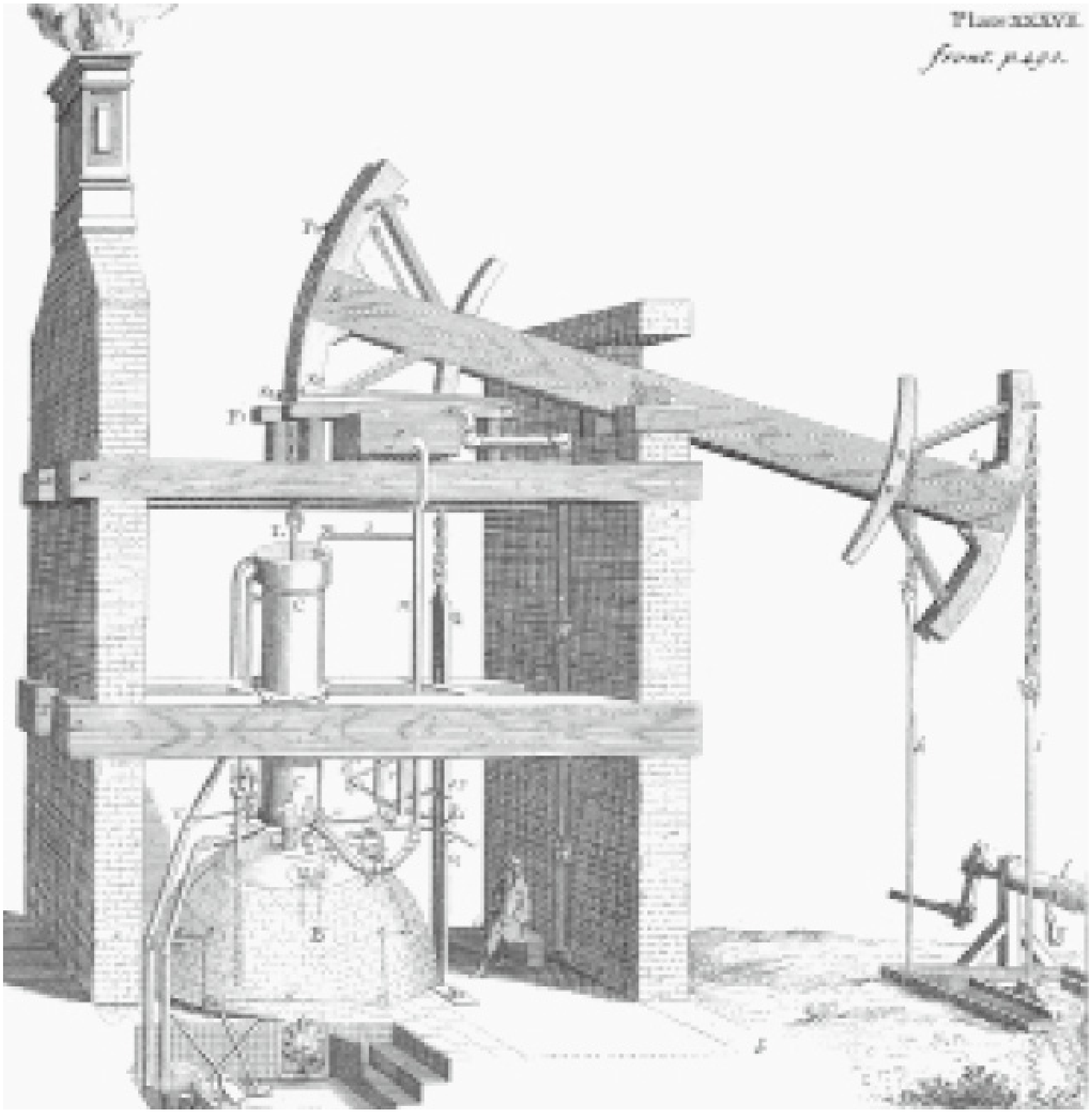
“” 1707 1

1705 18 “

” 1703

1936 “

· 1685—1700 ”



[illegible]·[illegible]·[illegible]1734—1744[illegible]1763[illegible]

[illegible]Joseph Needham[illegible]“[illegible]”[illegible]1697[illegible]

[illegible]

·John Morland 17 80

1682

1707

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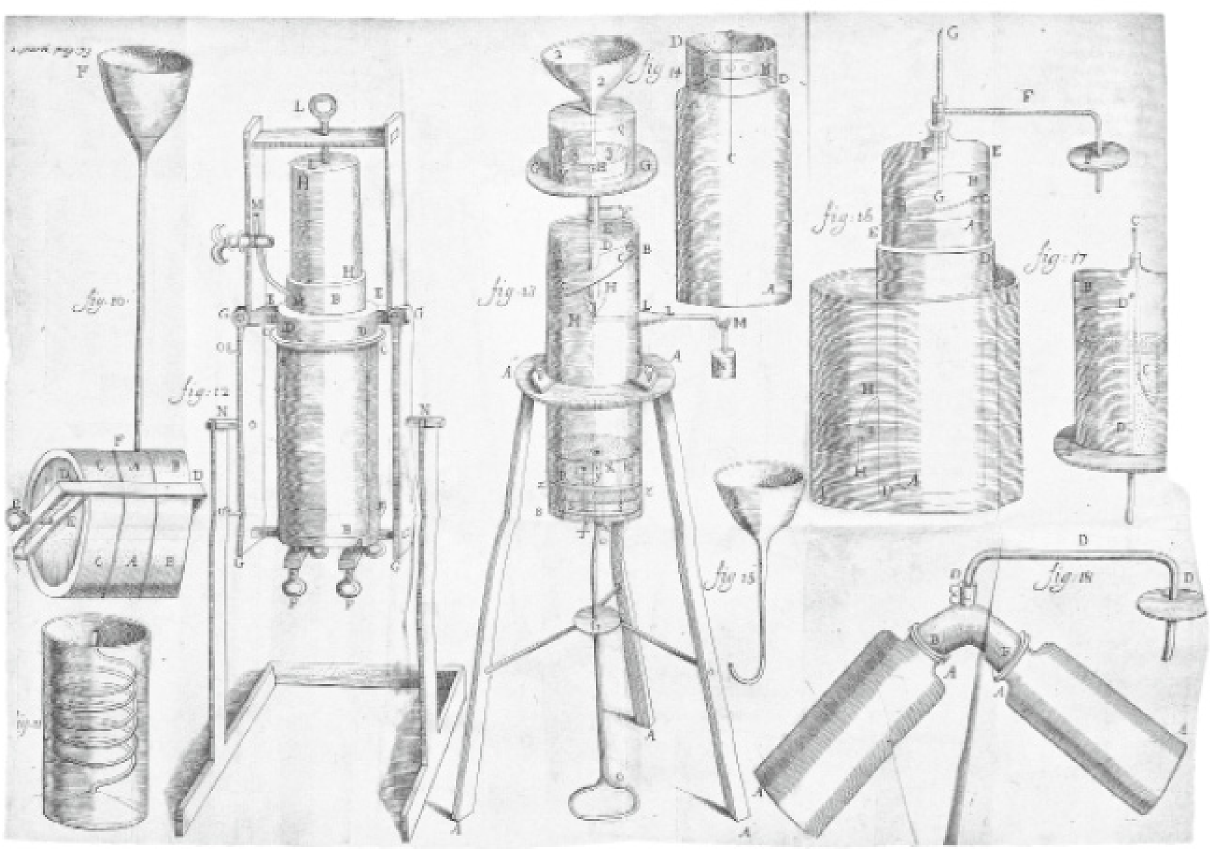
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[illegible]*A Continuation of the New Digester of Bones* [illegible]·[illegible]1687[illegible]

[illegible]1681[illegible]1761[illegible]1762[illegible]*New Digester* [illegible]1687[illegible]10[illegible]



[illegible]1687[illegible]

[illegible]“[illegible]”[illegible]

[illegible][7]

[illegible]

[illegible]1[illegible]0.3[illegible]1800[illegible]816.5[illegible]1686[illegible]1[illegible]1[illegible]2.54[illegible]4[illegible]1.2[illegible]128[illegible]39[illegible]/[illegible]1[illegible]0.3[illegible]37.5[illegible]17[illegible]450[illegible]204.1[illegible]4[illegible]1.2[illegible]32[illegible]9.8[illegible]/[illegible]……[illegible]

[illegible]

[illegible]

[illegible]1698[illegible]1687[illegible]

[illegible]

[illegible]

[illegible]……

[illegible]

[illegible]“[illegible]”[illegible]

[illegible]1687—1707[illegible]20[illegible]17[illegible][8]

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[1] [illegible]·[illegible]·[illegible]Giovanni Ambrosio Sarotti [illegible]Sarrotti[illegible]1679[illegible]12[illegible]1[illegible]Hunter[illegible]The Royal Society and Its Fellows[illegible]1982[illegible]no. 356[illegible]

[2] [illegible]

[3] [illegible]1658[illegible]

[4] 1627[illegible]·[illegible]Berkel[illegible]Isaac Beeckman [illegible]2013[illegible]38—39[illegible]

[5] [illegible]1663[illegible]17[illegible]

[6] [illegible]

[7] [illegible]“[illegible]1658[illegible]……[illegible]……”[illegible]Hall[illegible]“Engineering and the Scientific Revolution”[illegible]1961[illegible]337[illegible]

[8] [illegible]·[illegible]Reflections on the Motive Power of Fire[illegible]1824[illegible]

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[illegible]

[illegible]1000[illegible]Demosthenes[illegible]1000[illegible]

——[illegible]1632[illegible]

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[illegible]1613[illegible]1605[illegible]·[illegible]·[illegible]John Stuart Mill[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible][1][illegible]“[illegible]”[illegible]·[illegible]John Gray[illegible]“[illegible]”

[illegible]*Isis*[illegible]·[illegible]George Sarton[illegible]1936[illegible]“[illegible]”[illegible]·[illegible]

[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible][2][illegible]“[illegible]”[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]

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[illegible]—[illegible]·[illegible]Pierre Duhem[illegible]1861—1916[illegible]W.V.O.[illegible]W.V.O.Quine[illegible]1908—2000[illegible][3]

[illegible]“[illegible]”[illegible]

[illegible]19[illegible]

[illegible][4][illegible]

—[5]“17”17 40 17 60

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— 1959 [6]

[illegible]

[illegible]—[illegible]“[illegible]”[illegible][7][illegible][8][illegible]—[illegible]·[illegible]Cesare Cremonini[illegible]

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[illegible]·[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]·[illegible]Ole Rømer[illegible]1644—1710[illegible]22[illegible]22[illegible]11[illegible][9][illegible]19[illegible]

[illegible]

日期	测量者	方法	时间
1676 年	罗默	木星的卫星	11 分
1687 年	牛顿 [1]	木星的卫星	10 分
1693 年	卡西尼（Cassini）[2]	木星的卫星	7 分 5 秒
1704 年	牛顿	木星的卫星	7 分或 8 分
1726 年	布拉德利	恒星光行差	8 分 12.5 秒
1809 年	德朗布尔（Delambre）	木星的卫星	8 分 13.2 秒
现代数值			8 分 19 秒 3

1.[illegible]

2.[illegible]

3.[illegible]

[illegible]

日期	测量者	方法	时间（千米/秒）
1849年	菲佐（Fizeau）	转动齿轮	313000
1850年	傅科（Foucault）	旋转镜子	298000
1875年	克努（Cornu）	旋转镜子	299990
1880年	迈克耳孙（Michelson）	旋转镜子	299910
1883年	纽科姆（Newcomb）	旋转镜子	299860
1907年	罗萨（Rosa）和多洛西（Doresey）	电磁常数	299790
1926年	迈克耳孙	旋转镜子	299796
1928年	米特尔斯腾德（Mittelstaedt）	克尔盒快门	299778
1932年	皮兹（Pease）和皮尔森（Pearson）	旋转镜子	299774
1940年	胡特尔（Huttel）	克尔盒快门	299768
1941年	安德森（Anderson）	克尔盒快门	299776

续表

日期	测量者	方法	时间（千米/秒）
1950年	埃森（Essen）和戈登史密斯（GordonSmith）	谐振腔	299792
1951年	伯格斯特兰（Bergstrand）	克尔盒快门	299793
1958年	弗鲁姆（Froome）	射电干涉测量	299792
现代数值			2997921

1.[illegible]**1983**[illegible]

[illegible]11[illegible]17[illegible]1928[illegible]20[illegible]1950[illegible] [10]

[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible] [11] [illegible] [12]

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[illegible]·[illegible] *Glass Works:Newton’s Prisms and the Uses of Experiment* [illegible]1989[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]20[illegible]“[illegible]”[illegible]1996[illegible]·[illegible]Alan Shapiro[illegible]2000[illegible]

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[illegible]·[illegible]

[illegible]“[illegible]”[illegible]

[illegible]

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[illegible]1507[illegible]“*experientiae penuria* ”[illegible][13]

[illegible]1735—1744[illegible]

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[illegible]17[illegible]·[illegible]Samuel Champlain[illegible]1794[illegible]

[illegible]15[illegible]19[illegible]1800[illegible]1869[illegible]

[illegible]“[illegible]”[illegible]1610[illegible]·[illegible]

[illegible]70[illegible]1543[illegible]1611[illegible]

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[illegible]1974[illegible]1—10[illegible]DNA[illegible]DNA[illegible]DNA[illegible]·[illegible]1673[illegible]1695[illegible]

[illegible]Escoffier[illegible]1892[illegible]

[illegible]·[illegible]“[illegible]”[illegible][14][illegible]“*vestigia* ”[illegible]“investigate”[illegible]“clue”[illegible]19[illegible]Ariadne[illegible]Theseus[illegible]Minotaur[illegible]

[illegible]“[illegible]”[illegible]G.E.[illegible]G.E.Moore[illegible]

[illegible]“[illegible]”[illegible]

[illegible][15][illegible]

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[illegible]Seneca[illegible]“[illegible]Solinus[illegible]”[illegible]

[illegible]

[illegible]“[illegible]”[illegible]

[illegible]·[illegible]Susan Haack[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]16[illegible]·[illegible]“[illegible]”[illegible]*Method for the Easy Comprehension of History*[illegible]1566[illegible]“[illegible]”[illegible]*On the Demon-mania of Witches*[illegible]1580[illegible]·[illegible]Lot[illegible]“[illegible]”[illegible]

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[19] “ ” *Discourse on Floating Bodies* 1612 [20] · “ ” “ ” “ ”

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[21] · Andrew Cunningham “ ” “ ”

[22]

· Ramses II 19 1882 · Robert Koch · Richard

Gatling 1861 [23]

[24] 1600 "

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" "The Trouble with the Historical Philosophy of Science"

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[illegible]“[illegible]”[illegible]Hasok Chang[illegible]“[illegible]”[illegible][26]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[illegible]1958[illegible]“[illegible]”[illegible]*The Logic of Scientific Discovery* [illegible]Lord Acton[illegible]1834—1902[illegible]“[illegible]……”[illegible]

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[1] [illegible]“[illegible]”[illegible]Glanvill[illegible]The Vanity of Dogmatizing[illegible]1661[illegible]130[illegible]

[2] [illegible]

[3] [illegible]“[illegible]”[illegible]“[illegible]”[illegible]Quine[illegible]“A Comment on Grünbaum’s Claim”[illegible]1976[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[5] [illegible]“[illegible]”[illegible]Geertz[illegible]Local Knowledge[illegible]1983[illegible]Jacob[illegible]“Science Studies After Social Construction”[illegible]1999[illegible]

[6] [illegible]1970[illegible]69[illegible]Rosen[illegible]“Was Copernicus a Neoplatonist?”[illegible]1983[illegible]

[7] [illegible]“[illegible]”[illegible]“Demystifying Underdetermination”[illegible]1990[illegible]Shapin[illegible]“History of Science and Its Sociological Reconstructions”[illegible]1982[illegible]196—197[illegible]

[8] “[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]580—592[illegible]·[illegible]·[illegible]·[illegible]

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[12] [illegible]1656[illegible]Cohen[illegible]“Roemer and the First Determination of the Velocity of Light [illegible]1676[illegible]”[illegible]1940[illegible]338[illegible]30[illegible]Shea[illegible]“Ole Rømer, the Speed of Light”[illegible]1998[illegible]

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[14] Popper[illegible]The Logic of Scientific Discovery [illegible]1959[illegible]22[illegible]1978[illegible]4[illegible]18[illegible]Christie[illegible]“Nobody Invented the Scientific Method”[illegible]2012[illegible]Luria[illegible]Cognitive Development[illegible]Its Cultural and Social Foundations[illegible]1976[illegible]

[15] [illegible]71—72[illegible]

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[17] [illegible]“[illegible]”[illegible]

[18] [illegible]Richard of Wallingford[illegible]1292—1336[illegible]North[illegible]God’s Clockmaker[illegible]2005[illegible]

[19] [illegible]Randall[illegible]“[illegible]”[illegible]“The School of Padua”[illegible]1940[illegible]17[illegible] Feingold[illegible]Jesuit Science[illegible]2002[illegible]

[20] [illegible]1638[illegible]

[21] [illegible]“[illegible]”[illegible]military intelligence[illegible]·[illegible]Stanley Fish[illegible]“[illegible]”[illegible]Fish[illegible]“Professor Sokal’s Bad Joke”[illegible]1996[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[22] [illegible]/[illegible]332—334[illegible]

[23] [illegible]“[illegible]”[illegible]7[illegible]587[illegible]256[illegible]

[24] [illegible]Boghossian[illegible]Fear of Knowledge[illegible]2006[illegible]

[25] [illegible]“[illegible]”[illegible]8[illegible]587—588[illegible]

[26] [illegible]“[illegible]”[illegible]8[illegible]587—588[illegible]

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“[illegible]……”

——[illegible]·[illegible]1931[illegible]

[illegible]

——[illegible]·[illegible]Jack Hexter[illegible]*The Historian and His Day* [illegible]1954[illegible]

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[illegible]“[illegible]”[illegible]·[illegible]1694[illegible]1748[illegible]1948[illegible]·B.[illegible]James B.Conant[illegible]“[illegible]”[illegible]·[illegible]“[illegible]”[illegible]

[illegible]1931[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]……[illegible]”[illegible]

[illegible]

[illegible]·[illegible]Tom Mayer[illegible]“[illegible]”[illegible]*Galileo was Guilty*[illegible]1633[illegible]

[illegible]

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[illegible]17[illegible]*De cive*[illegible]1642[illegible]16[illegible]16[illegible]

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[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]17[illegible]

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[illegible]“[illegible]”[illegible]“[illegible]……[illegible]”[1] 1202[illegible]Robespierre[illegible]

[illegible]20[illegible]·[illegible]Quentin Skinner[illegible]*The Foundations of Modern Political Thought* [illegible]1978[illegible]2008[illegible]

[illegible]……[illegible]

[illegible]

[illegible]“[illegible]”[illegible][2] [illegible][3]

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[illegible]

[illegible][5][illegible]“[illegible]”[illegible]

[illegible]1809—1810[illegible]·[illegible]George Cayley[illegible]*On Aerial Navigation* [illegible][6][illegible]

[illegible]100[illegible]1912[illegible]*Science* [illegible]“[illegible]”[illegible]The Problem of Mechanical Flight[illegible]“[illegible]1809[illegible]·[illegible]……[illegible]”[illegible]“[illegible]60[illegible]”[illegible]

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[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]-[illegible]“[illegible]……[illegible]”[illegible]

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[1] [illegible]1954[illegible]Reappraisals in History[illegible]1961[illegible]“[illegible]”[illegible]221[illegible]231[illegible]

[2] 1940[illegible]·[illegible]Walter Benjamin[illegible]“[illegible]·[illegible]·[illegible]Fustel de Coulanges[illegible]1830—1889[illegible]”[illegible]Benjamin & Arendt[illegible]Illuminations[illegible]1986[illegible]247—248[illegible]

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[4] [illegible]“[illegible]”[illegible]10[illegible]589—590[illegible]

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[6] [illegible]1809[illegible]1829[illegible]

[7] [illegible]“[illegible]”[illegible]Post[illegible]“Correspondence[illegible]Invariance and Heuristics”[illegible]1971[illegible]Graney[illegible]Setting Aside All Authority[illegible]2015[illegible]

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“[illegible]”

——[illegible]·[illegible]1962[illegible]

[illegible]……[illegible]

——[illegible]·[illegible]1972[illegible]

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1571[illegible]37[illegible]16[illegible]1563[illegible]1000[illegible]60[illegible]“*Que sçay-je* ?”[illegible]“[illegible]”[illegible]

[illegible]*Essays* [illegible]1580[illegible]1588[illegible]1592[illegible]“[illegible]”[illegible]

[illegible]·[illegible]*The Discourse of Voluntary Servitude* [illegible]·[illegible]

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1436[illegible]1568[illegible]6[illegible]18[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]16[illegible][1][illegible]

[illegible]·[illegible]*Outline of Pyrrhonism* [illegible]15[illegible]20[illegible]1562[illegible]

[illegible]1500[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]1580[illegible]

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[illegible]*Letter on the Blind*[illegible]1749[illegible]

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[illegible]·[illegible]“[illegible]”[illegible]

[illegible]

[illegible]17[illegible]

[illegible]1543[illegible]·[illegible]

[illegible]·[illegible]

[illegible]*The Emergence of Probability*[illegible]1975[illegible]17[illegible]60[illegible][2][illegible]17[illegible]1975[illegible]

[illegible]

[illegible]

[illegible][3][illegible]

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[illegible]19[illegible]

[illegible]10[illegible]28[illegible]54[illegible]x[illegible]xxviii[illegible]liv[illegible]0[illegible]0[illegible]·[illegible]1593[illegible]

[illegible]“[illegible]”“[illegible]”“[illegible]”“[illegible]”“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]17[illegible]“[illegible]”[illegible]

[illegible]300[illegible]“[illegible]”[illegible]500[illegible]

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1975 · Hilary Putnam

“ ”

· Larry Laudan

[illegible]1667[illegible]18[illegible]19[illegible]19[illegible]

[illegible]1664[illegible]·[illegible]Margaret Cavendish[illegible]

[illegible]……[illegible]

[illegible][5][illegible]19[illegible]

[illegible]

[illegible]……[illegible]

[illegible]16[illegible]“[illegible]”[illegible]

[illegible]

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[illegible]“[illegible]”[illegible]“[illegible]”“[illegible]”“[illegible]”[illegible]

[illegible]600[illegible]·[illegible]

[illegible]

[illegible]

[illegible]1572—1704[illegible]

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[1] [illegible]23—24[illegible]

[2] [illegible]Daston[illegible]“The History of Emergences”[illegible]2007[illegible]Gigerenzer[illegible]Swijtink and others[illegible]The Empire of Chance[illegible]1989[illegible]·[illegible]·[illegible]Febvre[illegible]Le Problème de l’incroyance[illegible]1942[illegible]Rey[illegible]L’Outillage mental[illegible]1937[illegible]·[illegible]-[illegible]Lucien Lévy-Bruhl[illegible]-[illegible]How Natives Think[illegible]1925[illegible]

[3] [illegible]Heilbron[illegible]Galileo[illegible]2010[illegible]

[4] [illegible]

[5] [illegible]1704[illegible]8[illegible]11[illegible]12[illegible]·[illegible]292[illegible]·[illegible]

[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]·[illegible]David Lindberg[illegible]*The Beginnings of Western Science*[illegible]1992[illegible]

[illegible]1572[illegible]1970[illegible]68—69[illegible]1957[illegible]“[illegible]”[illegible]86[illegible]“[illegible]”[illegible]90[illegible]1572[illegible]1572[illegible]

[illegible]Leroi[illegible]*The Lagoon*[illegible]2014[illegible]17[illegible]·[illegible]·[illegible]Lennox[illegible]“The Disappearance of Aristotle’s Biology”[illegible]2001[illegible]Lennox[illegible]“William Harvey”[illegible]Russo[illegible]*The Forgotten Revolution*[illegible]2004[illegible]16[illegible]Clagett[illegible]“Archimedes among the Humanists”[illegible]1959[illegible]Laird[illegible]“Archimedes among the Humanists”[illegible]1991[illegible]

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1977[illegible]24—35[illegible]254—65[illegible]*The Road since Structure*[illegible]2000[illegible]15—20[illegible]“[illegible]”[illegible]1970[illegible]118—125[illegible]“[illegible]”[illegible]1970[illegible]12[illegible]Sarnowsky[illegible]“Concepts of Impetus”[illegible]2008[illegible]

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[illegible]Grant[illegible]*The Foundations of Modern Science*[illegible]1996[illegible]Hannam[illegible]*God’s Philosophers*[illegible]2009[illegible]·[illegible]1861—1916[illegible]·[illegible]Annalise Maier[illegible]1905—1971[illegible]·[illegible]Mshall Clagett[illegible]1916—2005[illegible]

[illegible]

[illegible] [1] [illegible] [2] [illegible] 17 [illegible] [3] [illegible] 1648 [illegible] Elizabeth of Bohemia [illegible] “*Me tenant comme je suis,un pied dans un pays et l’autre en un autre,je trouve ma condition très heureuse,en ce qu’elle est libre* ” [illegible] “ [illegible] ” [illegible]

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[illegible]1931[illegible]*On Certainty*[illegible]1969[illegible]

131.[illegible]

132.[illegible]……

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170.[illegible]

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[illegible]4000[illegible]“[illegible]”[illegible]

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286.[illegible]

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[illegible]1950[illegible]1950[illegible]Child[illegible]*Wittgenstein*[illegible]2011[illegible]207—212[illegible]

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474.[illegible]

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617.[illegible]

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[illegible]1969[illegible]586—587[illegible]

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[illegible]1931[illegible]20[illegible]60[illegible]MacIntyre[illegible]“Epistemological Crises”[illegible]1977[illegible]·[illegible]Peter Winch[illegible]*The Idea of a Social Science*[illegible]1958[illegible]·[illegible]*Knowledge and Social Imagery*[illegible]1976[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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Culture?2001[illegible]111[illegible]Labinger&Collins[illegible]eds.[illegible]*The One Culture*[illegible]2001[illegible]“[illegible]”[illegible]Shapin[illegible]“Cordelia’s Love”[illegible]1995[illegible]“[illegible]”[illegible]Ophir&Shapin[illegible]“The Place of Knowledge”[illegible]1991[illegible]5[illegible]15[illegible]

[illegible]Labinger[illegible]*The One Culture*?2001[illegible]Bricmont[illegible]Sokal[illegible]“[illegible]”[illegible]244[illegible]Kuhn[illegible]*The Structure of Scientific Revolutions*[illegible]1996[illegible]173[illegible]

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[illegible]“[illegible]”[illegible]4[illegible]“[illegible]Gellner[illegible]‘[illegible]’”[illegible]1962[illegible]·[illegible]9[illegible]Collins[illegible]“Son of Seven Sexes”[illegible]1981[illegible]n.15[illegible]“[illegible]”[illegible]Gellner[illegible]“Concepts and Society”[illegible]1970[illegible]48[illegible]“[illegible]……[illegible]……[illegible]”[illegible]42—43[illegible]“[illegible]”[illegible]Gellner[illegible]*Relativism and the Social Sciences*[illegible]1985[illegible]185[illegible]“[illegible]”[illegible]Shapin[illegible]*The Scientific Revolution*[illegible]1996[illegible]1[illegible]

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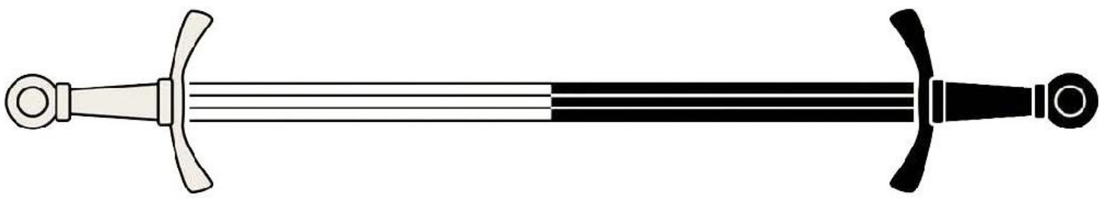
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5 · Tarquinius Superbus *res publica* [38] “ ” “ ” [39]

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48 Battle of Pharsalus *Pharsalia*

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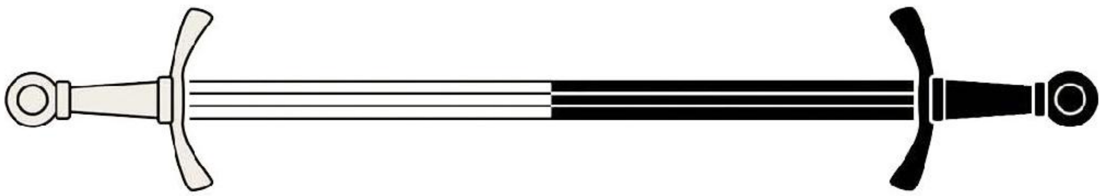
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1640—1641[illegible]13[illegible]15[illegible]·[illegible]John Corbet[illegible]1645[illegible]

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[illegible]1789[illegible]·[illegible]·[illegible]*The Eighteenth Brumaire of Louis Bonaparte*[illegible]“[illegible]（Luther）[illegible]（Apostle Paul）[illegible]1789—1841[illegible]1848[illegible]1789[illegible]1793—1795[illegible]”[55][illegible]1789[illegible][3]

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1789[illegible]——[illegible]·[illegible]（Edmund Burke，1729—1797）[illegible]·[illegible]

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[illegible]*Reflections on the Revolution in Franc* e[illegible]1790[illegible]“[illegible]”——

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[illegible]1796[illegible]“[illegible]”[illegible]“[illegible]……[illegible]……[illegible]”[illegible] [63] [illegible]

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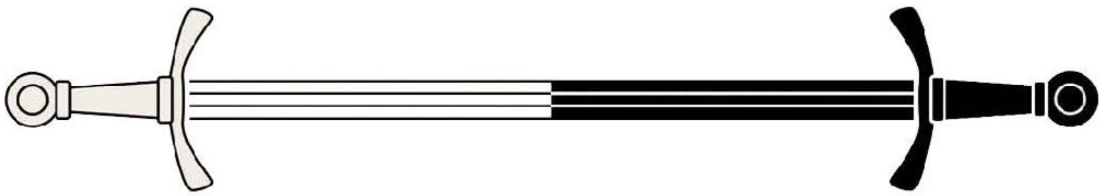
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1863[illegible]11[illegible]19[illegible]·[illegible]Abraham Lincoln[illegible]1809—1865[illegible]87[illegible]“[illegible]”[illegible]

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[illegible]·[illegible]·[illegible]Henry Wager Halleck[illegible]1815—1872[illegible]20[illegible]“[illegible]”[illegible]

[illegible]——[illegible]18[illegible]abbé de Mably[illegible]1709—1785[illegible]*The Rights and Duties of the Citizen*[illegible]1758[illegible]“[illegible]”[illegible]“[illegible]”[illegible][4][illegible]·[illegible]·[illegible]Juan Romero Alpuente[illegible]1762—1835[illegible]“[illegible]”[illegible]——[illegible]20[illegible][5]1830[illegible]the baron de Chateaubriand[illegible]1768—1848[illegible]“[illegible]——‘[illegible]’[illegible]”[illegible][6][illegible]

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[illegible]·[illegible]Michel Foucault[illegible]1926—1984[illegible]“[illegible]”[illegible]1973[illegible]“[illegible]”[illegible]La société punitive[illegible]20[illegible]“[illegible]”[illegible]“[illegible]……[illegible]”[illegible][40][illegible][41]

[illegible]1973[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible][42][illegible]“[illegible]

[illegible]”[illegible]——[illegible]——“[illegible]”[illegible]
[43]

[illegible]1816[illegible]·[illegible]（Quincy Wright）[illegible]*A Study of War*（1942[illegible]·[illegible]·[illegible]（Lewis Fry Richardson）[illegible]*Statistics of Deadly Quarrels*（1960[illegible]）[44] [illegible]“[illegible]”[45]

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[illegible]——[illegible]——[illegible]1815[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[illegible] [48] [illegible]“[illegible]”[illegible]“[illegible]”[illegible] [49] [illegible]“[illegible]”[illegible]19[illegible]——[illegible]——[illegible] [50] [illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]1847[illegible]Swiss Sonderbund War[illegible]——[illegible]25[illegible]93[illegible] [51] [illegible]1922—1923[illegible]540[illegible]800[illegible] [52] [illegible]1969—2001[illegible]3 500[illegible]1972[illegible]479[illegible]1 000[illegible]1974[illegible]4[illegible] [53]

[illegible]2007—2008[illegible]2006[illegible]7[illegible]·[illegible]Nicholas Sambanis[illegible] [54] [illegible]BBC[illegible]“[illegible]” [55]

[illegible]NBC[illegible] [56] [illegible]·[illegible]Adel Ibrahim[illegible] [1] [illegible]“[illegible]……[illegible]” [57] [illegible]·[illegible]·[illegible]Recep Tayyip Erdogan[illegible]“[illegible]” [58]

[illegible]2006[illegible]Pew Research Center[illegible]12[illegible]“[illegible]” [59] [illegible]Chatham

House[illegible]“[illegible]”[illegible][60]

2006[illegible]9[illegible]·[illegible]James Fearon[illegible]“[illegible]——[illegible]——[illegible]”[illegible]“[illegible]”[illegible]1945[illegible][61][illegible]10[illegible]

[illegible]6[illegible]“[illegible]1945[illegible]”[illegible][62][illegible][2][illegible]2006[illegible]12[illegible]·[illegible]Nouri al-Maliki[illegible]·[illegible]“[illegible]”[illegible][63]

[illegible]2006[illegible]3[illegible]·[illegible]Amir Taheri[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1992—2002[illegible]“[illegible]”[illegible][64]

[illegible]·[illegible]Sir John Keegan[illegible]·[illegible]Bartle Bull[illegible]“[illegible]”[illegible]“[illegible]‘[illegible]’[illegible]‘[illegible]’[illegible]”[illegible]

[illegible]“[illegible]”[illegible]1642—1649[illegible]1861—1865[illegible]1918—1921[illegible]1936—1939[illegible]1975—1990[illegible]“[illegible]”[illegible]“[illegible]……[illegible]”[illegible]“[illegible]” [65]

[illegible]

[illegible]·[illegible]David Patten[illegible]2007[illegible]“[illegible]”[illegible]·[illegible]John Murtha[illegible]2006[illegible]1[illegible]“[illegible]”[illegible]·[illegible]Ayad Allawi[illegible]3[illegible]“[illegible]”[illegible]“[illegible]” [66]

[illegible]1990[illegible]

> [illegible]5[illegible]——[illegible] [67]

[illegible]“[illegible]”[illegible]20[illegible]21[illegible]

[illegible]5[illegible]——[illegible]——[illegible]·[illegible]Melvin Small[illegible]·[illegible]David Singer[illegible]“[illegible]45[illegible]7[illegible]”[illegible]17[illegible]5[illegible]3[illegible][68]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]

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[illegible]20[illegible]Gaetano Salvemini[illegible]·[illegible]Franz Marc[illegible]·[illegible]·[illegible]John Maynard Keynes[illegible]1914[illegible]9[illegible]“[illegible]”[illegible]1914[illegible]11[illegible]“[illegible]”[illegible][69] 1919[illegible]“[illegible]……[illegible]……[illegible]”[illegible]“[illegible]”[illegible][70] [illegible]“[illegible]”[illegible][71]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible][72] [illegible]M. N. Roy[illegible]1941—1942[illegible]“[illegible]”[illegible][73] [illegible]20[illegible]·[illegible]Ernst Nolte[illegible]1917[illegible]1945[illegible]“[illegible]”[illegible][74] [illegible]·[illegible]Dean Acheson[illegible]1914—1945[illegible]“[illegible]”——[illegible]——[illegible]“[illegible]”[illegible][75]

[illegible]“[illegible]”[illegible]1962[illegible]1[illegible]John F. Kennedy[illegible]“[illegible]”[illegible]“[illegible]”[illegible][76] [illegible]1962[illegible]3[illegible]·[illegible]Carl Schmitt[illegible]“[illegible]”[illegible][77] [illegible]“[illegible]”[illegible]1939[illegible]1848[illegible]“[illegible]”[illegible]1950[illegible][78] [illegible]Students for a Democratic Society, SDS[illegible]1962[illegible]6[illegible]*Port Huron Statement* [illegible]“[illegible]”[79] [illegible]·[illegible]20[illegible]“[illegible]”[illegible][80]

“[illegible]”[illegible]“9·11”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible][81] [illegible]·[illegible]Michael Hardt[illegible]·[illegible]Antonio Negri[illegible]2004[illegible]“[illegible]”[82] [illegible]“[illegible]”[illegible]“[illegible]‘[illegible]’[illegible]”[illegible]·[illegible]2005[illegible]“[illegible]”[83]

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[illegible][84] [illegible]2001[illegible]2004[illegible]2005[illegible]2014[illegible]2015[illegible]2016[illegible]

[illegible]“[illegible]”[illegible]——[illegible]——[illegible][85][illegible]21[illegible]·[illegible]1949[illegible]

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[1] [illegible]sheikh[illegible]——[illegible]

[2] [illegible]there was equally adamant view that it did fit the facts in Iraq[illegible]…didn’t fit the facts in Iraq[illegible]——[illegible]

[illegible]

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[illegible]“[illegible]”[illegible]2 000[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible][1][illegible]“[illegible]”[1][illegible]“[illegible]”[illegible]civil society[illegible]civil disobedience[illegible]civil service[illegible]“[illegible]”[illegible]civility[illegible]“[illegible]”[illegible]civilization[illegible]

[illegible]“[illegible]”[illegible]“[illegible]——[illegible]——[illegible]”[2][illegible]

“[illegible]”[illegible]“[illegible]”[3][illegible]·[illegible]·[illegible]“[illegible]——[illegible]”[4][illegible]“[illegible]”[illegible][5]

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[illegible]——[illegible][7][illegible]

[illegible]“[illegible]”[illegible]

“[illegible]”[illegible]19[illegible]“[illegible]”[illegible]“[illegible]”——[illegible]“[illegible]”[illegible]——[illegible]2011—2012[illegible][8][illegible]“[illegible]”[illegible]

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[illegible]

[illegible]——[illegible]

[illegible]2006[illegible]Huntington Library[illegible]20[illegible]1992[illegible]2006[illegible]10[illegible]2007[illegible]1[illegible]3 000[illegible]——[illegible]——[illegible] [1]

[illegible]·[illegible]——[illegible]George W. Bush[illegible]“[illegible]”[illegible]19[illegible]21[illegible]

[illegible]2007[illegible]2[illegible]·[illegible]·[illegible]*The Declaration of Independence: A Global History* [illegible]·[illegible]Ted Widmer[illegible] [2] [illegible]·[illegible]statemaking[illegible]state breaking[illegible]——[illegible]

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[illegible]2006—2007[illegible]·[illegible]Roy Ritchie[illegible]

[illegible]2010[illegible]5[illegible]the Wiles Lectures[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]·[illegible]Sean Connolly[illegible]·[illegible]Robert Evans[illegible]·[illegible]David Hayton[illegible]·[illegible]Chris Bayly[illegible]“[illegible]”[illegible]·[illegible]Liz Cohen[illegible]

[illegible]·[illegible]Duncan Bell[illegible]·[illegible]Richard Bourke[illegible]·[illegible]Mike Braddick[illegible]·[illegible]Michael Hopkinson[illegible]·[illegible]Colin Kidd[illegible]·[illegible]Jane Ohlmeyer[illegible]·[illegible]Josiah Osborn[illegible]·[illegible]Jennifer Pitts[illegible]·[illegible]Adam Smith[illegible]·[illegible]Richard English[illegible]·[illegible]Peter Gray[illegible]·[illegible]Keith Jeffery[illegible]·[illegible]David Livingstone[illegible]·[illegible]Chris Marsh[illegible]·[illegible]David Hayton[illegible]

5[illegible]2015[illegible]4[illegible]Center for American Political Studies[illegible]·[illegible]Gabriella Blum[illegible]·[illegible]Darrin Mc Mahon[illegible]·[illegible]Sam Moyn[illegible]·[illegible]Eric Nelson[illegible]·[illegible]John Stauffer[illegible]·[illegible]Richard Thomas[illegible]·[illegible]Peter Gordon[illegible]·[illegible]James Hankins[illegible]·[illegible]Jim Kloppenberg[illegible]·[illegible]Joshua Ehrlich[illegible]·[illegible]Dan Carpenter[illegible]·[illegible]Laura Donaldson[illegible]·[illegible]Michèle Lowrie[illegible]·[illegible]John Mc Cormick[illegible]2016[illegible]6[illegible]Universität Bielefeld[illegible]

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[7] hironaka, *Neverending Wars,* 4–5; Paul Collier, Lisa Chauvet, and Håvard Hagre,“The Security Challenge in Conflict-Prone Countries,” in *Global Crises, Global Solutions,* ed. Lomborg, 72, 99 (quoted); Skaperdas et al., *Costs of Violence;* World Bank, *World Development Report 2011;* Dunne, “Armed Conflicts”;Hoeffler, “Alternative Perspective.”

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[11] Enzensberger, *Civil War,* 12.

[12] Agamben, *Stasis,* trans. Heron, 2. Compare Grangé, *Oublier la guerre civile?,* 7:“il est vrai que la guerre civile est occultée par les traités politiques”; Kissane,*Nations Torn Asunder,* 3: “There has been, in the history of political thought, no systematic treatise on civil war.”

[13] Mason, “Evolution of Theory on Civil War and Revolution,” 63– 66.

[14] Melander, Petersson, and Wallensteen, “Organized Violence, 1989—2015,” 730;Gleditsch, “Transnational Dimensions of Civil War”; Checkel, *Transnational Dynamics of Civil War.*

[15] Mayer, *Furies,* 323 (“If war is hell, then civil war belongs to hell’s deepest and most infernal regions”); Kalyvas, *Logic of Violence in Civil War,* 52–53.

[16] Lucan, *Bellum civile* (1.31–32), in Lucan, *Civil War,* trans. Braund, 3– 4; Michel de Montaigne, “Of Bad Meanes Emploied to a Good End” (*Essais,* 2.23), in *Essays Written in*

French by Michael Lord of Montaigne, trans. Florio, 384;Frank Aiken, Aug. 3, 1922, quoted in Hopkinson, *Green Against Green,* 273.

[17] Eliot, *Milton,* 3.

[18] De Gaulle, quoted in Marañon Moya, “El general De Gaulle, en Toledo” (“Todas las guerras son malas … Pero las guerras civiles, en las que en ambas trincheras hay hermanos, son imperdonables, porque la paz no nace cuando la guerra termina”).

[19] Enzensberger, *Civil War,* trans. Spence and Chalmers, 11.

[20] Girard, *Violence and the Sacred;* Giraldo Ramírez, *El rastro de Caín;* Jacoby,*Bloodlust;* Esposito, *Terms of the Political,* 123–34. As Bill Kissane notes, the term for civil war in modern Hebrew approximates to “war between brothers.”Kissane, *Nations Torn Asunder,* 7.

[21] Osgood, *Caesar’s Legacy,* 3, citing Brunt, *Italian Manpower, 225* b.c.—a.d. *14,* 509 –12.

[22] Braddick, *God’s Fury, England’s Fire,* xii.

[23] Faust,“Numbers on Top of Numbers,”997; Faust, *This Republic of Suffering,* xi. Neely, *Civil War and the Limits of Destruction,* 208–16. □□□□□□□□□□□□□□Hacker□□□□“Census-Based Count of the Civil War Dead”□□□□□□□□□620 000—750 000□□□□□□

[24] Kloppenberg, *Toward Democracy,* 21– 60.

[25] Clarendon, *The History of the Rebellion and Civil Wars in England, Begun in the Year 1641.*

[26] Schmitt, *Ex Captivitate Salus,* 56 (“Der Bürgerkrieg hat etwas besonders Grausames. Er ist ein Bruderkrieg, weil er innerhalb einer gemeinsamen…politischen Einheit … geführt wird, und weil beide kämpfenden Seiten diese gemeinsame Einheit gleichzeitig absolut behaupten und absolut verneinen”).

[27] U.S. Department of War, *War of the Rebellion.*

[28] Gingrich, quoted in Stauffer, “Civility, Civil Society, and Civil Wars,” 88.

[29] “Pour Valls, le FN peut conduire à la‘ guerre civile,’” Le Monde, Dec. 11, 2015: “Il y a deux options pour notre pays. Il y a une option qui est celle de l’extrême droite qui, au fond, prône la division. Cette division peut conduire à la guerre civile et il y a une autre vision qui est celle de la République et des valeurs, qui est le rassemblement.”

[30] Brass, *Theft of an Idol* , 3–20; Kalyvas, “Ontology of ‘Political Violence’”;Kalyvas, “Promises and Pitfalls of an Emerging Research Program”; Kissane and Sitter, “Ideas in Conflict.”

[31] Kaldor, *New and Old Wars;* Kalyvas, “‘New’ and ‘Old’ Civil Wars”;Münkler, *New Wars.*

[32] Geuss, “Nietzsche and Genealogy”; Bevir, “What Is Genealogy?”

[33] Skinner, “Genealogy of the Modern State,” 325.

[34] Nietzsche, *On the Genealogy of Morality,* 51.

[35] Ibid., 53 (my emphasis).

[36] Gallie, “Essentially Contested Concepts”; Collier, Hidalgo, and Maciuceanu,“Essentially Contested Concepts.”

[37] Gallie, preface to *Philosophy and the Historical Understanding,* 8–9.

[38] Kalyvas, “Civil Wars,” 417.

[39] For helpful overviews, see Sambanis, “Review of Recent Advances and Future Directions in the Literature on Civil War”; Collier and Sambanis,*Understanding Civil War;* Blattman and Miguel, “Civil War.”

[40] Uppsala Conflict Data Program (1948—present), http://www.pcr.uu.se/research/UCDP/.

[41] The Correlates of War Project, http://www.correlatesofwar.org/; Small and Singer, *Resort to Arms;* Gleditsch, “Revised List of Wars Between and Within Independent States, 1816—2002”; Sarkees and Wayman, *Resort to War;* Reiter,Stam, and Horowitz, “Revised Look at Interstate Wars, 1816—2007.”

[42] Dixon, “What Causes Civil Wars?,” 730; Lounsberry and Pearson, *Civil Wars,* viii; Newman, *Understanding Civil Wars.*

[43] Though for a recent exception, spanning the centuries from ancient Rome to Afghanistan, see Armitage et al., “*AHR Roundtable:* Ending Civil Wars.”

[44] Guldi and Armitage, *History Manifesto;* Armitage et al., “La longue durée en débat.”

[45] Armitage, “What’s the Big Idea?”; Mc Mahon, “Return of the History of Ideas?”; Mc Mahon, *Divine Fury,* xiii.

[46] Mc Mahon, *Happiness;* Mc Mahon, *Divine Fury;* Forst, *Toleration in Conflict;* Rosenfeld, *Common Sense;*

Fitzmaurice, *Sovereignty, Property, and Empire,1500—2000;* Kloppenberg, *Toward Democracy.*

[47] Fitzmaurice, *Sovereignty, Property, and Empire, 1500—2000,* 20; Dubos, *Le mal extrême.*

[48] De Rouen and Heo, *Civil Wars of the World.* □□□□□□□□□□□□□□□□

[49] Manicas, “War, Stasis, and Greek Political Thought”; Berent, “*Stasis,* or the Greek Invention of Politics.”

[50] Gardet, “Fitna”; As-Sirri, *Religiös-politische Argumentation im fruhen Islam* (*610—685*); Ayalon, “From Fitna to Thawra”; Martinez-Gross and Tixier du Mesnil, eds., “La *fitna:* Le désordre politique dans l’Islam médiéval.”

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[52] Armitage, “Every Great Revolution Is a Civil War.”

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[1] Loraux, Divided City, trans. Pache and Fort, 108.

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[4] Botteri, “*Stási* .”

[5] Clavadetscher-Thürlemann, ΠΟΛΕΜΟΣΔΙΚΑΙΣ *und bellum iustum* , 178–83;Wynn, *Augustine on War and Military Service* , 128–31.

[6] Rosenberger, *Bella et expeditiones* .

[7] Keenan, *Wars Without End* , 32.

[8] Jal, *La guerre civile à Rom* , 19–21; Urbainczyk, *Slave Revolts in Antiquity* ,100 –115; Schiavone, *Spartacus* .

[9] Robert Brown, “The Terms *Bellum Sociale* and *Bellum Civile* in the Late Republic,” 103.

[10] □□□*civitas* □□□□□□Ando, *Roman Social Imaginaries* , 7–14□

[11] harvey, *Rebel Cities* ; Hazan, *History of the Barricade* .

[12] Brett, *Changes of State* .

[13] Plato, *Republic* 462a—b, in *Collected Dialogues* , 701 (translation adapted).

[14] Gehrke, *Stasis* .

[15] Price, *Thucydides and Internal War* , 30–32.

[16] Plato, *Republic* 470b—c, in *Collected Dialogues* , 709.

[17] Plato, *Laws* 628b, 629d, in *Collected Dialogues* , 1229 (translation adapted),1231; Price, *Thucydides and Internal War* , 67–70.

[18] Stouratis, “Byzantine War Against Christians”; Kyriakidis, “Idea of Civil War in Thirteenth- and Fourteenth-Century Byzantium.”

[19] Panourgía, *Dangerous Citizens* , 81– 86.

[20] Loraux, “*Oikeios polemos* .”

[21] Plato, *Republic* 471e, in *Collected Dialogues* , 710.

[22] Thucydides, *Eight Bookes of the Peloponnesian Warre* 3.81– 83, trans. Hobbes,187–90. □“□□”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Fuks, “Thucydides and the Stasis in Corcyra”□

[23] □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ *The Hystory Writtone by Thucidides the Athenyan of the Warre , Whiche Was Betwene the Peloponesians and the Athenyans* , □□Nicolls□Claude de Seysell□□□□□□□□□□□□□□□□□□civil war□□□□□□□□civile dissention□cyvill seditions□cyvill battailles□□□17□□20□□□□□□□□□□□□□□□□——□□□□□17□□40□□□□□□□□——□□Hoekstra, “Hobbes’s Thucydides,” 551–57; □□□□□□□□□□□□□□□□□Harloe and Morley, eds., *Thucydides and the Modern World* □

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[27] □□□□□Richard Thomas□□□□□□□□□□□□□□□□□□□□□□□□“□□”□□□

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[29] Thucydides, *War of the Peloponnesians and the Athenians* , trans. Mynott, 212n1.

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[31] Loraux, *Divided City* , 107– 8, 197–213; Ando, *Law, Language, and Empire in the Roman Tradition* , 3 – 4.

[32] Thucydides, *War of the Peloponnesians and the Athenians* 4.64, trans. Mynott,273; Loraux, “*Oikeios polemos* .”

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[36] Lucan, *Bellum civile* 1.95, in *Civil War* , trans. Braund, 5; also quoted in Augustine, *City of God Against the Pagans* 15.5, ed. and trans. Dyson, 640.

[37] Beard, *SPQR* , 73–74.

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[39] Livy, *History of Rome* 2.1, in *Rise of Rome* , 71; Arena, *Libertas and the Practice of Politics in the Late Roman Republic* .

[40] Raaflaub, *Social Struggles in Archaic Rome* .

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[42] Plutarch, “Tiberius and Gaius Gracchus,” in *Roman Lives* , trans. Waterfield,98–99, 113–14.

[43] Appian, *Civil Wars* 1.1–2, trans. Carter, 1; Price, “Thucydidean Stasis and the Roman Empire in Appian’s Interpretation of History.”

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[48] Keaveney, *Sulla* , 45–50; Seager, “Sulla.”

[49] Raaflaub, “Caesar the Liberator?”

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[51] Ibid. 1.1, 1.55, trans. Carter,I,30.

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Josiah Osgood□□□□□□“□□□□□□□□□□□□”□Osgood, “Ending Civil War at Rome,” 1689. □□□□□Flower, *Art of Forgetting* □

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[3] Caesar, *Civil War* 1.22, ed. and trans. Damon, 35; Raaflaub, *Dignitatis contentio.*

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[8] Caesar, *Civil War* 1.8, ed. and trans. Damon, 15.

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[10] Brown, “Terms *Bellum Sociale* and *Bellum Civile* in the Late Re public,” 104.

[11] Cicero, *De imperio Cn. Pompei* 28, in *Political Speeches,* trans. Berry, 119 (myemphasis).

[12] Seager, *Pompey the Great,* 25 –36, 43 – 48.

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[15] Östenberg, “*Veni Vidi Vici* and Caesar’s Triumph,” 823.

[16] Lange, “Triumph and Civil War in the Late Republic,” 74, 76 –78, 82–84. □□□□Lange, *Triumphs in the Age of Civil War*□

[17] Cicero, *De officiis* 1.85–86 (“apud Atheniensis magnae discordiae, in nostra re publica non solum seditiones sed etiam pestifera bella civilia”), in *On Duties,* 86–87, quoting Plato, *Republic* 420b (translation adapted).

[18] horace, *Odes* 2.1, in *Complete Odes and Epodes,* trans. West, 56; Mendell, “Epic of Asinius Pollio”; Henderson, *Fighting for Rome,* 108 –59.

[19] Tacitus, *Annals* 1.3, quoted in Harriet I. Flower, *Roman Republics* (Princeton,N.J.: Princeton University Press, 2010), 154 (“etiam senes plerique inter belli civilia nati: quotus quisque reliquus qui rem publicam vidisset”); Keitel,“Principate and Civil War in the *Annals* of Tacitus.”

[20] Gowing, “ ‘Caesar Grabs My Pen,’ ” 250.

[21] Masters, *Poetry and Civil War in Lucan's "Bellum Civile."*

[22] □□□□□□□□□□□Asso, ed., *Brill's Companion to Lucan* □□□□□□□

[23] Lucan, *In Cath Catharda;* Meyer, "Middle-Irish Version of the *Pharsalia* of Lucan."

[24] *Rómverja Saga,* ed. Helgadóttir.

[25] Dante, *Convivio* 4.28.13 ("quello grande poeta Lucano"); Geoffrey Chaucer,*The House of Fame* 3.1499, quoted in Susanna Braund, introduction to *Lucan,* ed. Tesoriero, Muecke, and Neal, 2– 4.

[26] Lucan, *M. Annaei Lvcani Pharsalia;* Grotius ("poeta phileleutheros"), quoted in Conte, *Latin Literature,* trans. Solodow, 451.

[27] Petronius, *Satyricon* 118, in *Satyricon,* trans. Sullivan, 109 ("ingens opus"),109–22 (Eumolpus's poem); Virgil, *Aeneid* 7.45 ("maius opus").

[28] "But," Gibbon continued, "of what avail is tardy knowledge? Where error is irretrievable, repentance is useless." Note from winter 1790—91, in Gibbon,*History of the Decline and Fall of the Roman Empire,* British Library shelf mark C.60.m.1; Bowersock, "Gibbon on Civil War and Rebellion in the Decline of the Roman Empire."

[29] Lucan, *Bellum civile* 1.223 –24, in *Civil War,* trans. Braund, 27.

[30] Florus, *Epitome* 1.intro., 1.47.14, 2.3.18, 2.8.20, 2.13.4 –5, in *Epitome of Roman History,* trans. Foster, 5–7, 217, 233, 241, 267 (translations adapted).

[31] henderson, *Fighting for Rome,* pts. 1, 4; Breed, Damon, and Rossi, *Citizens of Discord.*

[32] “Trina bella civilia, plura externa, ac plerumque permixta.” Tacitus, *Histories* 1.2,in *Histories, Books I–III,* trans. Moore, 5 (translation adapted).

[33] Florus, *Epitome* 2.13, in *Epitome of Roman History,* trans. Foster, 267(translation adapted).

[34] Lucan, *Bellum civile* 1.1–8, in *Civil War,* trans. Braund, 3.

[35] Núñez González, “On the Meaning of *Bella Plus Quam Ciuilia* (Lucan 1, 1).”

[36] Lucan, *Bellum civile* 1.682, in *Civil War,* trans. Braund, 21; Waller to Sir Ralph Hopton, June 16, 1643 (O.S.), in Coate, *Cornwall in the Great Civil War and Interregnum, 1642—1660,* 77.

[37] Woodman, “Poems to Historians.”

[38] Augustine, *City of God Against the Pagans* 3.6, 15.5, ed. and trans. Dyson, 99,639 – 40.

[39] horace, *Epodes* 7, in *Complete Odes and Epodes,* trans. West, 11.

[40] Wiseman, *Remus,* 143.

[41] horace, *Epodes* 16, in *Complete Odes and Epodes,* trans. West, 18.

[42] Sallust, *The War with Catiline* 16.4, in *Sallust,* trans. Rolfe, 17, 19, 27–28(“civile bellum exoptabant”) (translation adapted).

[43] Sallust, fragments from *Histories,* bk. 1, frags. 8, 10, 12, in *Fragments of the Histories,* trans. Ramsey, 8 –13.

[44] Varro, *Di vita populi Romani,* frag. 114, quoted in Wiseman, “Two-Headed State,” 26; see also Florus, *Epitome* 2.5.3, in *Epitome of Roman History,* trans. Foster, 228 (“iudiciaria lege Gracchi diviserant populum Romanum et bicipitem ex una fecerant civitatem”).

[45] Tacitus, *Histories* 2.38, in Tacitus, *Histories, Books I–III,* trans. Moore, 223(“temptamenta civilium bellorum”).

[46] Cicero, *De officiis* 1.86, in Cicero, *On Duties,* 86 – 87.

[47] Tacitus, *Histories* 1.50, in *Histories, Books I–III,* trans. Moore, 85 (“repetita bellorum civilium memoria”) (translation adapted).

[48] Braund, “Tale of Two Cities”; Mc Nelis, *Statius’ Thebaid and the Poetics of Civil War.*

[49] Brown, *Augustine of Hippo,* 23 –25.

[50] Augustine, *City of God Against the Pagans,* 15.5, 2.19, 2.22, 2.25, 3.25, ed.Dyson, 640, 73, 81, 87, 134.

[51] Ibid., 3.23 (“illa mala… quae quanto interiora, tanto miseriora…discordiae civiles vel potius incivilies …; bella socialia, bella servilia, bella civilia quantum Romanum cruorem fuderunt, quantam Italiae vastationem desertionemque fecerunt!”), 3.28, 3.30, ed. Dyson, 132 (translation adapted), 137, 139.

[52] Rohrbacher, *Historians of Late Antiquity,* 135– 49.

[53] Orosius, *Seven Books of History Against the Pagans* 2.18.1, 5.22.6, 8, trans.Fear, 105, 253.

[54] Ibid., 23–24.

[55] Augustine, *City of God Against the Pagans* 19.7, ed. Dyson, 929.

[56] Appian, *Civil Wars* 1.6, trans. Carter, 4; Appian, *Auncient Historie and Exquisite Chronicle of the Romane Warres,* title page.

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[1] hobbes, *On the Citizen,* ed. Tuck and Silverthorne, 4.

[2] □□□□□□□□□□□□□□□□□Armitage, Condren, and Fitzmaurice,*Shakespeare and Early Modern Political Thought;* Skinner, *Forensic Shakespeare* □

[3] Burke, "Survey of the Popularity of Ancient Historians, 1450—1700."

[4] Jensen, "Reading Florus in Early Modern England"; Jensen, *Reading the Roman Republic in Early Modern England,* 56–73.

[5] Schuhmann, "Hobbes's Concept of History," 3– 4; Hobbes, *Behemoth; or, The Long Parliament,* 52.

[6] Grafton, *What Was History?,* 194 – 95; see Wheare, *Method and Order of Reading Both Civil and Ecclesiastical Histories,* trans. Bohun, 77–78, on "thebody of the Roman History … the Picture of which in Little is most Artfully drawn by our L. Annaeus Florus."

[7] *Statutes of the University of Oxford Codified in the Year 1636 Under the Authority of Archbishop Laud,* 37.

[8] Eutropius, *Eutropii historiæ romanæ breviarum;* Phillipson, *Adam Smith,* 18,plates 2–3.

[9] Mac Cormack, *On the Wings of Time,* 15, 72, 76.

[10] Garcilaso de la Vega, *Historia general del Peru trata el descubrimiento del; y como lo ganaron los Españoles.*

[11] Montaigne, *Essays Written in French by Michael Lord of Montaigne,* trans.Florio, 547.

[12] hadfield, *Shakespeare and Republicanism,* 103–29, has called this tetralogy“Shakespeare’s *Pharsalia.* ”

[13] Bentley, *Shakespeare and Jonson,* 1:112; Donaldson, “Talking with Ghosts:Ben Jonson and the English Civil War.”

[14] *Shakespeare’s Appian;* Logan, “Daniel’s Civil Wars and Lucan’s Pharsalia”;Logan, “Lucan-Daniel-Shakespeare.”

[15] Daniel, *The First Fowre Bookes of the Civile Wars Between the Two Houses of Lancaster and Yorke,* sig. B[i]r.

[16] Norbrook, *Writing the English Republic,* 24.

[17] Shapiro, “ ‘Metre Meete to Furnish Lucans Style’ ”; Gibson, “Civil War in 1614”; Norbrook, “Lucan, Thomas May, and the Creation of a Republican Literary Culture”; Norbrook, *Writing the English Republic,* 43–50.

[18] May, *History of the Parliament of England Which Began November the Third,MDCXL,* sig. A3v; Pocock, “Thomas May and the Narrative of Civil War.”

[19] Milton, *Paradise Lost;* Hale, *“Paradise Lost”;* Norbrook, *Writing the English Republic,* 438 – 67, 443.

[20] Mc Dowell, “Towards a Poetics of Civil War,” 344.

[21] Filmer, *Patriarcha,* title page, quoting Lucan, *Bellum civile* 3.145 – 46 (“Libertas…Populi, quem regna coercent /

Libertate perit”); Hobbes, *Behemoth: The History of the Causes of the Civil-Wars of England,* title page, adapting Lucan,*Bellum civile* 1.1–2 (“Bella per Angliacos plusquam civilia campos, / Jusque datum sceleri loquiumur”); Hobbes, *Behemoth; or, The Long Parliament,* 90,92.

[22] Jean-Jacques Rousseau, *Extrait du projet de paix perpétuelle de monsieur l’abbé de Saint-Pierre,* title page (quoting Lucan, *Bellum civile* 4.4–5); Rousseau, *Discourse on the Origin and Foundations of Inequality Among Men,* in *Discourses and Other Early Political Writings,* trans. Gourevitch, 185 (quoting Lucan, *Bellum civile* 1.376 –78).

[23] Lucan, *Pharsale de M. A. Lucain,* trans. Chasles and Greslou, 1:xvii (quoting Lucan, *Bellum civile* 4.579).

[24] □□□□□Mason, ed., *The Darnton Debate* □

[25] “Intestinae Simultates,” in Whitney, *Choice of Emblemes and Other Devises,* 7.

[26] Seaward, “Clarendon, Tacitism, and the Civil Wars of Europe.”

[27] Grotius, *De Rebus Belgicis,* 1.

[28] Corbet, *Historicall Relation of the Military Government of Gloucester,* sig. A2v.

[29] Biondi, “Civill Warrs of England,” trans. Henry, Earl of Monmouth; Biondi, *History of the Civill Warres of England, Betweene the Two Houses of Lancaster and Yorke,* trans. Henry, Earl of Monmouth; Davila, *Historie of the Civill Warres of France,* trans. Cotterell and Aylesbury; Adams, *Discourses on Davila.*

[30] Guarini, *Il Pastor Fido,* trans. Fanshawe, 303 –12.

[31] Sandoval, *Civil Wars of Spain in the Beginning of the Reign of Charls the 5t,Emperor of Germanie and King.*

[32] Samuel Kem, *The Messengers Preparation for an Address to the King* (1644),quoted in Donagan, *War in England, 1642—1649,* 132; compare Robert Doughty, “Charge to the Tax Commissioners of South Erpingham, North Erpingham, North Greenhoe, and Hold Hundreds” (Feb. 1664), in *Notebook of Robert Doughty, 1662—1665,* 123: “our late uncivil civil wars.”

[33] Davila, *History of the Civil Wars of France,* trans. Cotterell and Aylesbury, sig.A2r.

[34] Dugdale, *Short View of the Late Troubles in England.* Compare also Adamson,“Baronial Context of the English Civil War,”□□□□□□Adamson, *Noble Revolt* □

[35] Larrère, “Grotius et la distinction entre guerre privé et guerre publique.”

[36] Grotius, *Commentary on the Law of Prize and Booty,* 50 (“aut civile in partemeiusdem reipublicae: aut externum, in alius, cuius species est quod sociali dicitur”). □□□□□□□□□□□□□□□□□□Straumann, *Roman Law in the State of Nature* □

[37] Grotius, *Commentary on the Law of Prize and Booty,* 80 (“bella Christianorumesse civilia, quasi vero totius Christianus Orbis una sit republica”), referring to Vázquez de Menchaca, *Controversiarum illustrium* …*libri tres.*

[38] Grotius, *Rights of War and Peace* 1.3.1, 1:240.

[39] Ibid., 1.4.19.1, 1:381, quoting Plutarch’s *Life of Brutus* and Cicero’s *Second Philippic.*

[40] Rousseau, *The Social Contract* (1762), in *Social Contract and Other Later Political Writings,* 42– 43, 44 – 45.

[41] hobbes, *Leviathan,* 3:850.

[42] Thomas Hobbes, *De Corpore* 1.7, in *Elements of Law, Natural and Politic,* 190(“causa igitur belli civilis est, quod bellorum ac pacis causa ignoratur”), 191.

[43] hobbes, *On the Citizen* 1.12, 29 –30.

[44] Ibid., 11–12.

[45] hobbes to Cavendish, July 1645, in Hobbes, *Correspondence,* 1:120.

[46] hobbes, *On the Citizen,* 82, 124 (“et bellum civile nascitur”), 149.

[47] Ibid., 15.

[48] □□□□□□□□□Kelsey, “Ordinance for the Trial of Charles I”; Kelsey,“Trial of Charles I”; Holmes, “Trial and Execution of Charles I”□

[49] Donagan, *War in England, 1642—1649,* 130.

[50] Orr, “Juristic Foundation of Regicide.”

[51] “An Act of the Commons of England Assembled in Parliament for Erecting a High Court of Justice, for the Trying and Judging of Charles Stuart, King of England” (Jan. 6, 1649), in *Acts and Ordinances of the Interregnum,1642—1660,* ed. Firth and Rait, 1:1253 –54 (my emphasis). Heath, *Chronicle of the Late Intestine War in the Three Kingdomes of England, Scotland, and Ireland,* 194 – 95, and “The Act Erecting a High Court of Justice for the King’s Trial” (Jan. 6, 1649), in Gardiner, *Constitutional Documents of the Puritan Revolution, 1625—1660,* 357, have “civil war” in place of

“cruel War,” but this is not attested in, for example, “An Ordinance of the Commons in England in Parliament Assembled with a List of the Commissioners & Officers of the Said Court by Them Elected” (Jan. 3, 1649), British Library E.536(35), fol. 1r, or in[John Nalson], *A True Copy of the Journal of the High Court of Justice, for the Tryal of K. Charles I* , 2.

[52] *Journals of the House of Commons,* 6:107, 111, quoted in Orr, *Treason and the State,* 173.

[53] Bauman, *Crimen Maiestatis in the Roman Republic and Augustan Principate,* 271–77; Orr, *Treason and the State,* 12, 44 – 45 (referring to 25 Edward III, st. 5,c. 3); *Digest* 48.4.3.

[54] hobbes, *Leviathan,* 2:192.

[55] Ibid., 2:256, 274, 278, 282.

[56] hobbes, “Questions Relative to Hereditary Right” (1679), in *Writings on Common Law and Hereditary Right,* 177– 78.

[57] Locke, *Two Treatises of Government,* 137 (“The Preface”).

[58] Woolhouse, *Locke,* 11.

[59] Harrison and Laslett, *Library of John Locke,* items 2, 561– 62, 927,1146 – 48, 1818 –19, 2792b, 3060

[60] Locke, *Two Treatises of Government,* 278 (*2nd Treatise,* § 16).

[61] Ibid., 416 –17 (*2nd Treatise,* §§ 227, 228).

[62] Locke, “On Allegiance and the Revolution” (ca. April 1690), in *Political Essays,* 307.

[63] Pocock, “Fourth English Civil War,” 153, 159.

[64] Sidney, *Discourses Concerning Government,* 198, 187– 89.

[65] Ibid., 193, 196 – 99.

[66] Sidney, *Court Maxims* , 20.

[67] Sidney, *Discourses Concerning Government,* 121.

[68] Ibid., 198.

[69] Filmer, *Patriarcha,* 54, 55–56, 57, 58.

[70] Sidney, *Discourses Concerning Government,* 120.

[71] Ibid., 172.

[72] Montesquieu, *Reflections on the Causes of the Rise and Fall of the Roman Empire,* 61; Bates, *States of War,* 160 – 64.

[73] Jouffroy, *Mélanges philosophiques par Théodore Jouffroy,* 140 (“Les guerresciviles de l’Europe sont finies”).

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[1] Abdul-Ahad, “ ‘Syria Is Not a Revolution Any More.’ ”

[2] Compare Viola, “Rivoluzione e guerra civile,” 24: “In un certo senso la rivoluzione sprovincializza la guerra civile.”

[3] Arendt, *On Revolution,* 12.

[4] □*Encyclopédie* □“□□”□□□□□□□□□□□Civil war□*Guerre* □□□*Dictionnaire de l’Académie Française* (1762)□□□□□*Guerre civile,* & *guerre intestine* □□□La guerre qui s’allume entre les

peuples d’un mêmeÉtat□□□the ARTFL Project’s“Dictionnaires d’autrefois” □ http://artflproject.uchicago.edu /content/dictionnaires-dautrefois.

[5] Koselleck, “Historical Criteria of the Modern Concept of Revolution,” trans.Tribe, 47, 48, 49□revolution□civil war□□□□□□□□□□□Koselleck,*Critique and Crisis,* 160 – 61; Bulst et al., “Revolution, Rebellion, Aufruhr,Bürgerkrieg,” esp. 712 – 14, 726 –27, 778 – 80□

[6] Momigliano, “Ancient History and the Antiquarian,” 294; Goulemot, *Le règne de l’histoire,* 127–56.

[7] Echard, *The Roman History from the Building of the City to the Perfect Settlement of the Empire by Augustus Cæsar.*

[8] Vertot, *Histoire de la conjuration de Portugal;* Vertot, *Histoire des révolutions de Suède où l’on voit les changemens qui sont arrivez;* Vertot, Histoire des révolutions de Portugal.

[9] Trakulhun, “Das Ende der Ming-Dynastie in China (1644).”

[10] Sidney, *Discourses Concerning Government,* 195 – 96.

[11] Vattel, *Law of Nations* (1758), 3.18.293, ed. Kapossy and Whatmore, 645.

[12] “A Declaration by the Representatives of the United States of America, in General Congress Assembled” (July 4, 1776), in Armitage, *Declaration of Independence,* 165.

[13] Vattel, *Law of Nations* 1.4.51, 3.1.1–2, ed. Kapossy and Whatmore, 105, 469.

[14] Ibid., 3.18.287, 290, ed. Kapossy and Whatmore, 641, 642.

[15] “Thomas Jefferson’s ‘Original Rough Draft’ of the Declaration of Independence,” in Armitage, *Declaration of Independence,* 161.

[16] Vattel, *Law of Nations* 3.18.292, ed. Kapossy and Whatmore, 644 – 45. On Vattel’s doctrine of civil war, see Rech, *Enemies of Mankind,* 209 –13, 216 –20.

[17] Vattel, *Law of Nations* 3.18.293, ed. Kapossy and Whatmore, 645.

[18] Ibid., 3.18.295, ed. Kapossy and Whatmore, 648 – 49.

[19] Zurbuchen, “Vattel’s ‘Law of Nations’ and the Principle of Non-intervention”;Pitts, “Intervention and Sovereign Equality.”

[20] Vattel, *Law of Nations* 2.4.56, ed. Kapossy and Whatmore, 290 – 91.

[21] Braund, “Bernard Romans.”

[22] Romans, *To the Hone. Jno. Hancock Esqre.;* Romans, *Philadelphia, July 12.1775.*

[23] Romans, *Annals of the Troubles in the Netherlands.*

[24] Belcher, *First American Civil War,* is the exception that proves the rule.

[25] Paine, *Common Sense,* in *Collected Writings,* 25.

[26] O’Shaughnessy, *Empire Divided;* more generally, see Armitage, “First Atlantic Crisis.”

[27] Lawson, “Anatomy of a Civil War”; Shy, *People Numerous and Armed,* 183– 92; Wahrman, *Making of the Modern Self,* 223 –37, 239– 44; Simms, *Three Victories and a Defeat,* 593–600; Klooster, *Revolutions in the Atlantic World,* 11– 44; Jasanoff, *Liberty’s Exiles,* 21–53.

[28] Elliott, *Empires of the Atlantic World,* 352.

[29] Bollan, *The Freedom of Speech and Writing upon Public Affairs, Considered;with an Historical View of the Roman Imperial Laws Against Libels,* 158 –59.□□Bollan□□□□□□□□□□York, “Defining and Defending Colonial American Rights,” 213□

[30] Price, *Observations on the Nature of Civil Liberty,* 91.

[31] Smith, *An Inquiry into the Nature and Causes of the Wealth of Nations* 4.7.c, ed.Campbell and Skinner, 2:622.

[32] Pocock, “Political Thought in the English-Speaking Atlantic, 1760—1790,”256 –57.

[33] *Newport Mercury,* April 24, 1775, quoted in Breen, *American Insurgents,American Patriots,* 281– 82.

[34] *Civil War; a Poem;* Hartley, *Substance of a Speech in Parliament, upon the State of the Nation and the Present Civil War with America,* 19; Roebuck, *Enquiry,Whether the Guilt of the Present Civil War in America, Ought to Be Imputed to Great Britain or America.*

[35] [Jackson], *Emma Corbett;* Wahrman, *Making of the Modern Self,* 243 – 44.

[36] Cooper, introduction (1831) to *Spy,* 13; Larkin, “What Is a Loyalist?”

[37] Pocock, *Three British Revolutions, 1641, 1688, 1776.*

[38] “A Declaration…Seting Forth the Causes and Necessity of Taking Up Arms”(July 6, 1775), in Hutson, *Decent Respect to the Opinions of Mankind,* 96, 97(my emphasis).

[39] Lord North to George III, July 26, 1775, quoted in Marshall, *Making and Unmaking of Empires,* 338.

[40] Paine, *Common Sense,* in *Collected Writings,* 45 –46.

[41] Ibid., 18 –19. Compare Howell, *Twelve Several Treatises, of the Late Revolutions in These Three Kingdomes, 118,* where the total of “rebellions” since 1066 is given as “near upon a hundred.”

[42] On Paine and the “republican turn” in 1776, see Nelson, *Royalist Revolution,* 108–45.

[43] “Declaration by the Representatives of the United States of America, in General Congress Assembled” (July 4, 1776), in Armitage, *Declaration of Independence,* 165, 170.

[44] Beaulac, “Emer de Vattel and the Externalization of Sovereignty.”

[45] Franklin to C. G. F. Dumas, Dec. 9, 1775, in *Papers of Benjamin Franklin,* 22:287.

[46] Armitage, *Declaration of Independence,* 165, 166.

[47] Lempérière, “Revolución, guerra civil, guerra de independencia en el mundo hispánico, 1808—1825”; Adelman, “Age of Imperial Revolutions”; Pani, “Ties

Unbound”; Lucena Giraldo, *Naciones de rebeldes;* Pérez Vejo, *Elegía criolla.*

[48] José María Cos, “Plan de Guerra” (June 10, 1812), in Guedea, *Textos insurgentes* (*1808—1821*), 52–55; San Martín to Tomás Godoy Cruz, April 12,1816, quoted in John Lynch, *San Martín,* trans. Chaparro, 131.

[49] Baker, “Revolution 1.0,” 189; Baker, “Inventing the French Revolution,” 203,223.

[50] Snow, “Concept of Revolution in Seventeenth-Century England”; Rachum,“Meaning of ‘Revolution’ in the English Revolution (London, 1648—1660).” For an alternative view, see Harris, “Did the English Have a Script for Revolution in the Seventeenth Century?”

[51] hobbes, *Behemoth; or, The Long Parliament,* 389.

[52] Edelstein, “Do We Want a Revolution Without Revolution?”; compare Rey,*“Révolution”;* William H. Sewell Jr., “Historical Events as Transformations of Structures: Inventing Revolution at the Bastille,” in *Logics of History,* 225 –70.

[53] Vlassopoulos, “Acquiring (a) Historicity,” 166.

[54] Furet, “The Revolutionary Catechism,” in *Interpreting the French Revolution,* trans. Forster, 83.

[55] Marx, *The Eighteenth Brumaire of Louis Bonaparte* (1851), in *Selected Writings,* 300.

[56] Burke, *Reflections on the Revolution in France,* 26 –27 (quoting Livy, *Histories* 9.1.10) (my emphasis).

[57] Burke, *Letter from the Right Hon. Edmund Burke,* 41.

[58] Vattel, *Law of Nations* 3.3.36, ed. Kapossy and Whatmore, 488. The fuller quotation reads, “Justum est bellum, quibus necessaria; et pia arma, quibus nulla nisi in armis relinquitur spes.”

[59] Burke, “Speech on the Seizure and Confiscation of Private Property in St.Eustatius” (May 14, 1781), in *Parliamentary History of England from the Earliest Period to 1803,* vol. 22, col. 231.

[60] Burke, *Thoughts on French Affairs,* in *Further Reflections on the Revolution in France,* 207.

[61] Vattel, *Law of Nations* 2.4.56, ed. Kapossy and Whatmore, 291; compare ibid.,3.16.253, ed. Kapossy and Whatmore, 627.

[62] Kant, “Toward Perpetual Peace,” in *Practical Philosophy,* trans. Gregor,319 –20; Hurrell, “Revisiting Kant and Intervention,” 198.

[63] Burke, “First Letter on a Regicide Peace” (Oct. 20, 1796), and Burke, “Second Letter on a Regicide Peace” (1796), in *Revolutionary War, 1794—1797,* 187,267; Armitage, *Foundations of Modern International Thought,* 163 – 69.

[64] □□□□□Martin, “Rivoluzione francese e guerra civile”; Martin, “La guerre civile”; Andress, *Terror;* Martin, *La Vendée et la Révolution* □

[65] Mayer, *Furies,* 4 – 5.

[66] Serna, “Toute révolution est guerre d’indépendance.”

[67] Drayton, *Charge, on the Rise of the American Empire,* 2, 8, 15.

[68] Guizot, *Histoire de la révolution d'Angleterre, depuis l'avènement de Charles Ier jusqu'a la restauration,* 1:xvii: “Telle est enfin l'analogie des deux révolutions que la première n'eût jamais été bien comprise si la seconde n'eût éclaté.”

[69] Marx and Engels, *The Communist Manifesto* (1848), in Marx, *Selected Writings,* 230 (“den mehr oder minder versteckten Bürgerkrieg innerhalb der bestehenden Gesellschaft bis zu dem Punkt, wo er in eine offene Revolution ausbricht”);Balibar, “On the Aporias of Marxian Politics.”

[70] Marx, *The Civil War in France,* in Marx and Engels, *Karl Marx, Friedrich Engels Gesamtausgabe* (*MEGA*), 22:158 (“und der bei Seite fleigt, sobald der Klassenkampf Bürgerkrieg auflodert”).

[71] Lenin, *Clausewitz' Werk “Vom Kriege”;* Hahlweg, “Lenin und Clausewitz.”

[72] □□Carl Schmitt□□□□Schmitt, *Theory of the Partisan,* trans. Ulmen, 93.

[73] Lenin [and Grigorii Zinoviev], *The Military Programme of the Proletarian Revolution* (Sept. 1916), in *Collected Works,* 23:78. □□□□□□□□□□□□□□□□□□□□□Nation, *War on War,* 80 – 83□

[74] Stalin (1928), quoted in Rieber, “Civil Wars in the Soviet Union,” 140.

[75] Compare Eckstein, “On the Etiology of Internal Wars,” 133; Canal, “Guerra civil y contrarrevolución en la Europa del sur en el siglo XIX,” 46.

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[2] □□□□□Wills, *Lincoln at Gettysburg;* Boritt, *Gettysburg Gospel;* and Johnson,*Writing the Gettysburg Address,* none of which treats the phrase “great civil war”□

[3] Cimbala and Miller, *Great Task Remaining Before Us;* Varon, *Appomattox;* Downs, *After Appomattox.*

[4] Mably, *Des droits et des devoirs du citoyen* (1758), 62 – 63 (“la guerre civile est quelque foix un grand bien”).

[5] “La guerra civil es un don de cielo,” quoted in Fuentes, “Guerra civil,” 609;Fuentes, *“Belle époque,”* 84 – 93.

[6] Chateaubriand, *Mémoires d’outretombe,* 1358; Caron, *Frères de sang,* 153 – 57.

[7] Compare Ranzato, “Evidence et invisibilité des guerres civiles”; Grangé, *De la guerre civile;* Grangé, *Oublier la guerre civile?.* □□□□□□□□□□□□□□□□□□□Joas and Köbl, *War in Social Thought,* 2□

[8] Rousseau, *Social Contract,* in *Social Contract and Other Later Political Writings* 1.4.9, ed. Gourevitch, 46 – 47. □□□□□□□□□□□□□□□□·□□□□“private” war□□□□□□□□□□□□□□□

[9] Clausewitz, *On War.* □□□□□□□□□□□□□□□□□□“small war” (kleiner Krieg)□□□□□□□□□□□□□Clausewitz, *Clausewitz on Small War,* trans. Daase and Davis, 121, 131, 163□

[10] Mao and Guevara, *Guerrilla Warfare.*

[11] “Vouloir donner des maximes pour ces sortes de guerres serait absurde”:Jomini, *Précis de l’art de la guerre,*

1:85. □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Franco Restrepo, *Guerras civiles;* Fabre, *Cosmopolitan War,* 130 – 65□

[12] Moynier, *Étude sur la Convention de Genève pour l'amélioration du sort des militaires blessés dans les armées en campagne* (*1864 et 1868*), 304 (“Nous neparlons pas, cela va sans dire, des guerres civiles; les lois internationales ne leur sont pas applicables.”)

[13] In volumes 4 – 8 of *Collected Works of Abraham Lincoln,* covering the period 1861 – 65, “rebellion” appears 340 times, “civil war” 64 times. http://quod.lib.umich.edu/l/lincoln/.

[14] Gastineau, *Histoire de la souscription populaire a la médaille Lincoln;* Boritt,Neely, and Holzer, “European Image of Abraham Lincoln,” 161; Doyle, *Cause of All Nations,* 295 – 97.

[15] hugo, *Les Misérables (The Wretched): A Novel; Providence Evening Bulletin,* May 25, 1885, quoted in Lebreton-Savigny, *Victor Hugo et les Américains* (1825—1885), 31 (translation corrected). □□□*Les Misérables* □1862□3□□□□□□□□□□□□□□□□□4□□□□□□□

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[17] Laurent, “ ‘La guerre civile?’ ”; Caron, *Frères de sang,* 157 – 62.

[18] Beckert, *Empire of Cotton,* 242 – 73.

[19] Geyer and Bright, “Global Violence and Nationalizing Wars in Eurasia and America”; Bayly, *Birth of the Modern World, 1780—1914,* 148 – 65; Platt,*Autumn in the Heavenly Kingdom.*

[20] Armitage et al., “Interchange.”

[21] Pavkovi , *Creating New States,* 65 – 94.

[22] Wimmer and Min, “From Empire to Nation-State,” 881 (quoted); Wimmer,Cederman, and Min, “Ethnic Politics and Armed Conflict”; Wimmer, *Waves of War.*

[23] “Meeting of the Sub-committee [of the Société Publique for the Relief of Wounded Combatants], held on March 17, 1863,” in International Committee of the Red Cross, “The Foundation of the Red Cross”: 67.

[24] Boissier, *Histoire du Comité international de la Croix-Rouge,* 391 – 94; Siordet,“The Geneva Conventions and Civil War”; Sivakumaran, *The Law of Noninternational Armed Conflict,* 31 – 37. (□□□□□□□□)

[25] Mill, “A Few Words on Non-intervention,” in *Collected Works of John Stuart Mill,* 21:120, 118, 121; Varouxakis, *Liberty Abroad,* 77 – 89.

[26] Mill, “The Contest in America” (1862), in *Collected Works of John Stuart Mill,* 21:140, 142, 138; Varouxakis, “‘Negrophilist’ Crusader.”

[27] Pitts, “Intervention and Sovereign Equality.”

[28] “Declaration of the Immediate Causes Which Induce and Justify the Secession of South Carolina from the Federal Union” (Dec. 20, 1860), in *Journal of the Convention of the People of South Carolina, Held in 1860, 1861 and 1862,* 461 – 66 (my emphasis).

[29] Lincoln, “Message to Congress in Special Session” (July 4, 1861), in *Collected Works* of Abraham Lincoln, 4:426, 435, 436 (Lincoln’s emphases).

[30] Ibid., 4:433.

[31] Lincoln, “First Inaugural Address” (March 4, 1861), in *Collected Works of Abraham Lincoln,* 4:265. □□□□□□treasonable□□□revolutionary□Ibid., 4:265n16.

[32] Pavkovic , *Creating New States,* 221 – 40.

[33] Lincoln, “Address Delivered at the Dedication of the Cemetery at Gettysburg,”in *Collected Works of Abraham Lincoln,* 7:23.

[34] Wright, “American Civil War (1861—65),” 43.

[35] Neff, *Justice in Blue and Gray,* 32 – 34.

[36] The Prize Cases, 67 U.S. 635 (1863); Mc Ginty, *Lincoln and the Court,* 118 – 43;Lee and Ramsey, “Story of the *Prize Cases* ”; Neff, *Justice in Blue and Gray,* 20 – 29.

[37] The Prize Cases, 67 U.S. 635 (1863), citing Vattel, *Law of Nations* 3.18.293, ed.Kapossy and Whatmore, 645.

[38] halleck, *International Law,* 73 – 75.

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[40] halleck, *International Law,* 332 – 33.

[41] Carroll, *War Powers of the General Government,* 7–8, citing Vattel, *Law of Nations* 3.18.293.

[42] Dyer, “Francis Lieber and the American Civil War”; Mack and Lesesne,*Francis Lieber and the Culture of the Mind.*

[43] Baxter, “First Modern Codification of the Law of War”; Hartigan, *Military Rules, Regulations, and the Code of*

War; Witt, *Lincoln's Code;* Finkelman,"Francis Lieber and the Modern Law of War."

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[46] Lieber, "Some Questions Answered–Secession–the Strength of Armies and Navys, &ca." (ca. 1851), Lieber MSS, HEH LI 369.

[47] Lieber, "[Remarks Regarding the *Right of Secession*]" (ca. 1851), Lieber MSS,HEH LI 368.

[48] Lieber, "Twenty-Seven Definitions and Elementary Positions Concerning the Laws and Usages of War" (1861) and "Laws and Usages of War" (Oct.1861—Feb. 1862), Lieber MSS, Eisenhower Library, Johns Hopkins University,box 2, items 15, 16 – 18.

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[51] halleck to Lieber, Aug. 6, 1862; Lieber to Halleck, Aug. 9, 1862, Lieber MSS,HEH, LI 1646, 1758.

[52] Lieber to Bates, Nov. 9, 1862, Lieber MSS, HEH, LI 852.

[53] halleck, annotation to Lieber, *Code for the Government of Armies in the Field,* 25 – [26], HEH, 243077.

[54] Lieber to Halleck, March 4, 1863, Lieber MSS, HEH 1778; compare Lieber,[*U.S. Field Order 100.*] *Section X.*

[55] Lieber, *Instructions for the Government of Armies of the United States in the Field,* 34.

[56] Neff, *War and the Law of Nations,* 256 – 57.

[57] U.S. Constitution, article I, secs. 8 – 9; Fourteenth Amendment (1868), sec. 3.

[58] U.S. Naval War Records Office,*Official Records of the Union and Confederate Navies in the war of the Rebellion*

[59] Witt, *Lincoln's Code,* 340 – 45.

[60] U.S. Department of War, *Instructions for the Government of Armies of the United States in the Field.*

[61] Ramsey, *Masterpiece of Counterguerrilla Warfare,* 119 – 41.

[62] Davis, *Military Laws of the United States,* 798; U.S. Department of War,*Rules of Land Warfare;* U.S. Department of War, *Basic Field Manual;* U.S.Department of the Army, *Law of Land Warfare,* 9Kretchik, *U.S.Army Doctrine*

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[64] Coulter, "Name for the American War of 1861—1865," 123, quoting Mildred Rutherford; Hoar, *South's Last Boys in Gray,* 524 – 25 (estimating 120 names for the war); Musick, "War by Any Other Name"; Coski, "War Between the Names"; Manning and Rothman, "Name of War."

[65] Thomas M. Patterson, *Congressional Record* (Jan. 11, 1907), 944, in Record Group 94 (Office of the Adjutant General), Administrative Precedent File (“Frech File”), box 16, bundle 58, “Civil War,” National Archives, Washington, D.C.

[66] *Congressional Record* (Jan. 11, 1907), 944 – 49; clipping from unnamed Washington, D.C., newspaper, Jan. 12, 1907, “Frech File,” National Archives,Washington, D.C.

[67] Coulter, “Name for the American War of 1861—1865,” 128 – 29; United Daughters of the Confederacy, *Minutes of the Twenty-First Annual Convention of the United Daughters of the Confederacy,* 298.

[68] Blight, *Race and Reunion,* 15, 300 – 337.

[69] Melville, “The Surrender at Appomattox (April, 1865),” in *Published Poems,* 100; Thomas, “‘My Brother Got Killed in the War,’ ” 301 – 3.

[70] Lucan, *Bellum civile* 1.128, in Lucan, *Civil War,* trans. Braund, 6; Jacob,*Testament to Union,* 169; Malamud, “*Auctoritas* of Antiquity,” 310 – 11.

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[3] Voltaire, *Le siècle de Louis XIV* (1756), quoted in Pagden, “Europe:Conceptualizing a Continent,” in *The Idea*

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[4] Fénelon, *Fables and Dialogues of the Dead,* 183; Bell, *First Total War,* 59.

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[8] Rousseau, *Project for Perpetual Peace,* 9 ("presque la cruauté des guerres civiles").

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[13] International Committee of the Red Cross, *Seventeenth International Red Cross Conference, Stockholm, August 1948: Report,* 71; Pictet, *Geneva*

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[15] Geneva Convention, Common Article 3, in Pictet, *Geneva Convention for the Amelioration of the Condition of the Wounded and Sick in Armed Forces in the Field,* 37 – 38.

[16] Sivakumaran, *Law of Non-international Armed Conflict,* 163; Diplomatic Conference for the Establishment of International Conventions for the Protection of Victims of War, *Final Record of the Diplomatic Conference of Geneva of 1949,* 1:351, quoted in ibid., 163.□□□□□□□□□□□□□□□□□□ Klose, "Colonial Testing Ground," 108 – 11; Klose, *Human Rights in the Shadow of Colonial Violence,* trans. Geyer, 122 – 24□

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[29] Chenoweth, “Syrian Conflict Is Already a Civil War”; Murphy, “Why It’s Time to Call Syria a Civil War.”

[30] “Syria Crisis: Death Toll Tops 17,000, Says Opposition Group,” *Huffington Post,* July 9, 2012; “Syria in

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[52] hopkinson, *Green Against Green,* 272 – 73.

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[66] Patten, "Is Iraq in a Civil War?": 32, 27.

[67] *U.S. Army Field Manual 100 – 20: Military Operations in Low Intensity Conflict,* quoted in Patten, "Is Iraq in a Civil War?": 28

[68] Patten, “Is Iraq in a Civil War?”: 29 (my emphasis).

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[70] Keynes, *Economic Consequences of the Peace,* 5.

[71] Rusconi, *Se cessiamo di essere una nazione,* 101 – 21; Traverso, *A ferroe fuoco;* Traverso, “New Anti-Communism”; Cattani, “Europe as a Nation,” 8 – 9.

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[81] Galli, *Political Spaces and Global War* (2001—2), trans. Fay, 171 – 72; Härting,*Global Civil War and Postcolonial Studies;* Odysseos, “Violence *After* the State?”; Odysseos, “Liberalism’s War, Liberalism’s Order.”

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[83] Agamben, *State of Exception,* trans. Attell, 2 – 3; see also Agamben, *Stasis,* trans. Heron, 24 (“The form that civil war has acquired today in world history is‘terrorism’… Terrorism is the ‘global civil war’ which time and again invests this or that zone of planetary space.”).

[84] On the congruences, empirical and definitional, between “civil war” and“terrorism,” see Findley and Young, “Terrorism and Civil War.”

[85] Jung, “Introduction: Towards Global Civil War?”

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[2] Lepore, *Name of War,* xv.

[3] Kalyvas, “Civil Wars,” 416, where he notes it is “a phenomenon prone to serious semantic confusion, even contestation.” See also Waldmann, “Guerra civil”;Angstrom, “Towards a Typology of Internal Armed Conflict”; Sambanis, “What Is Civil War?”; Mundy, “Deconstructing Civil Wars”; González Calleja,Arbusti, and Pinto, “Guerre civili,” 34 – 42; González Calleja, *Las guerras civiles,* 34 – 78; Jackson, “Critical Perspectives,” 81 – 83.

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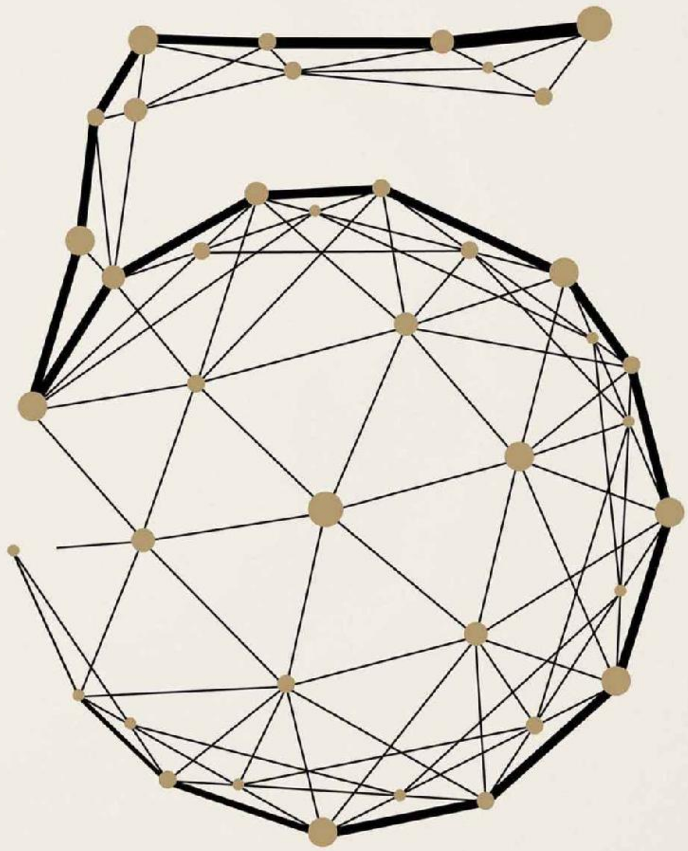
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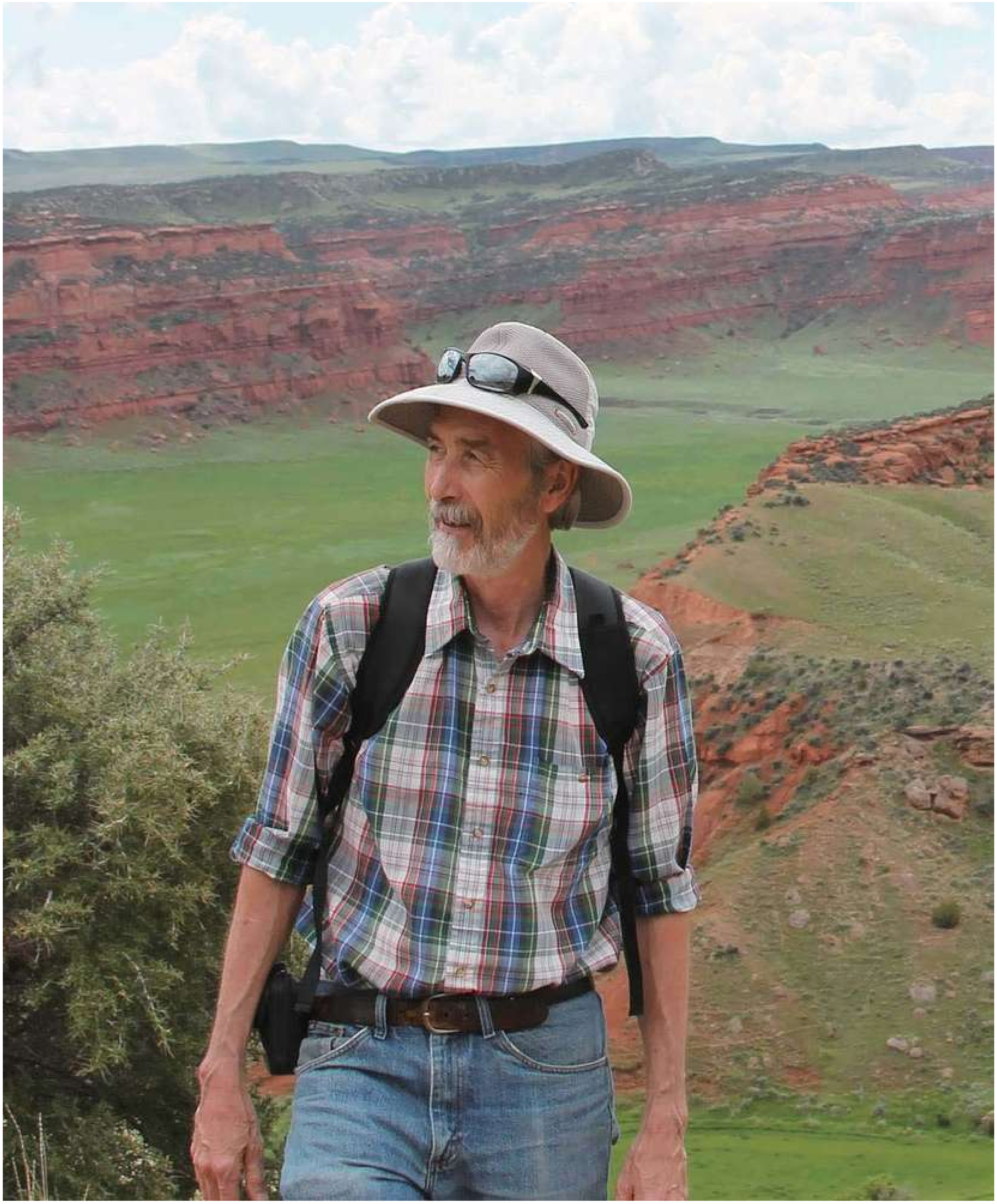
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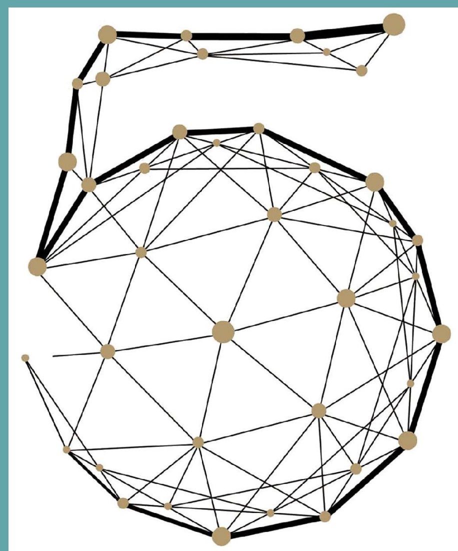
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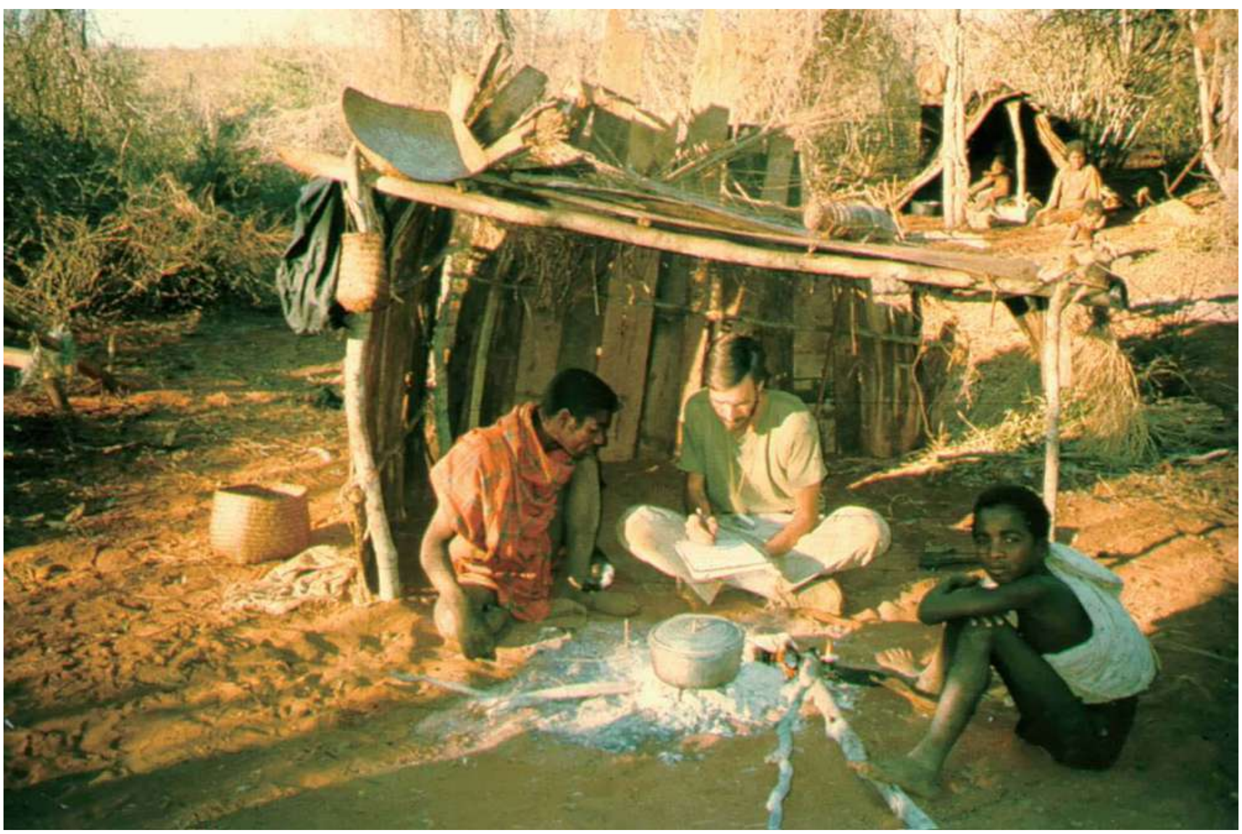
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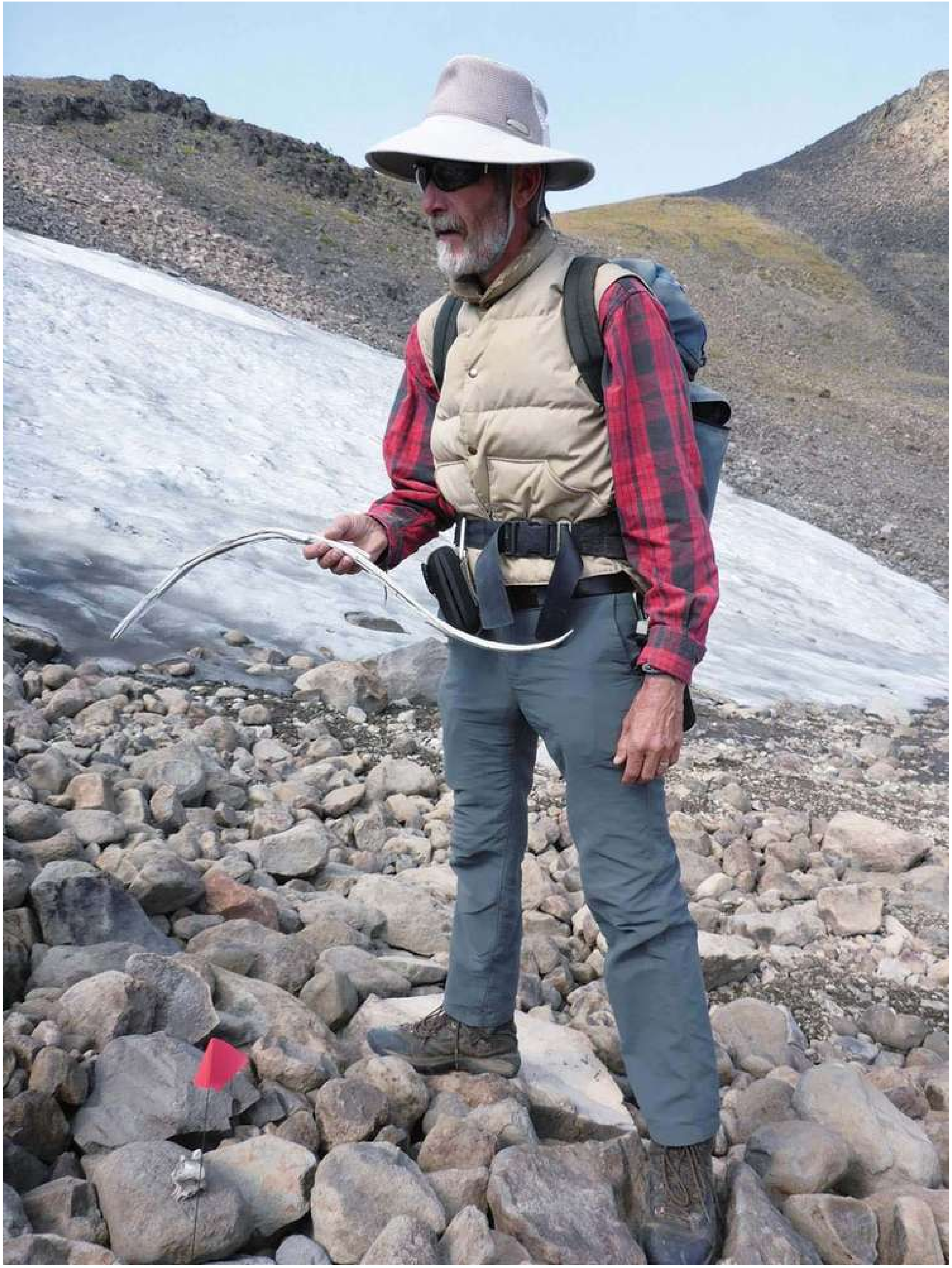
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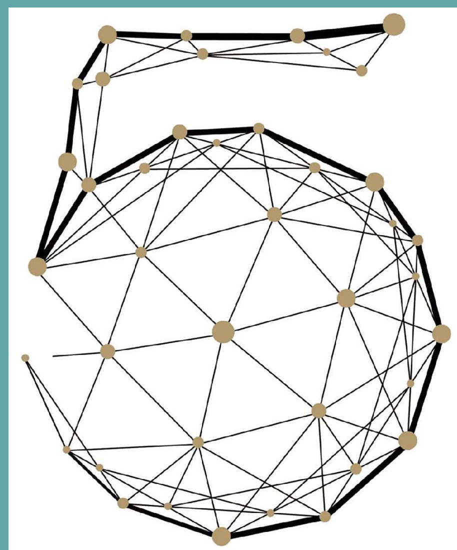
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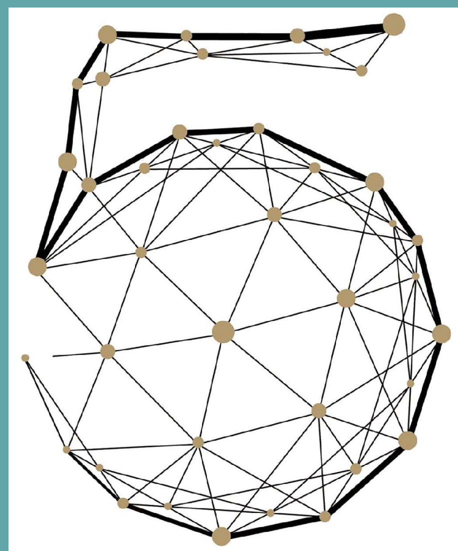
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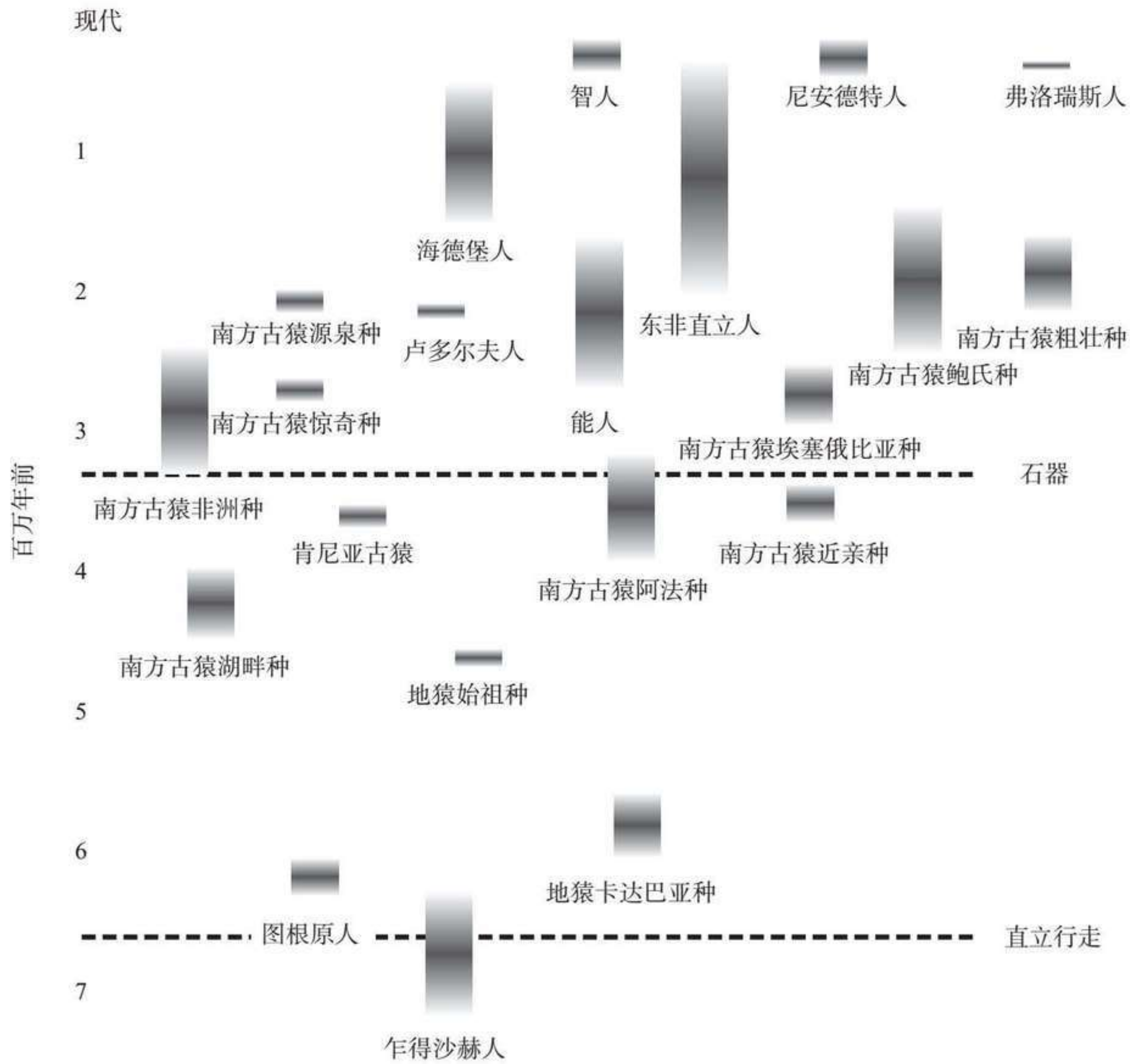
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[illegible]20[illegible]80[illegible]·[illegible]Frank Livingstone[illegible]·[illegible]1.4[illegible]“[illegible]”[illegible]

[illegible]30[illegible]——[illegible] [7] [illegible]

[illegible]“[illegible]”[illegible]

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[illegible]

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[illegible]40[illegible]

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[illegible]2.5%[illegible]20%[illegible][13][illegible]——[illegible]30%[illegible]20%[illegible]

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[illegible]80[illegible]100[illegible]40[illegible][14][illegible]“[illegible]”[illegible]

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[illegible]330[illegible]150[illegible]——200[illegible]Acheulian[illegible]1859[illegible]Saint Acheulian[illegible]“[illegible]”[illegible]——[illegible]100[illegible]

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□3-6 □□□□□□□□□□□□□□□□□□□□75□□□□□□□□□□□□□□□□□□□□□□Marieka Arksey□□

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[1] Harmand et al.[illegible]2015[illegible].[illegible]360[illegible]330[illegible]

[2] [illegible]“[illegible]”[illegible]Pan troglodytes[illegible]

[3] [illegible]Marks[illegible]2002[illegible]

[4] Napier[illegible]1970[illegible].

[5] [illegible]“[illegible]”[illegible]Rodham and McHerry[illegible]1980[illegible]Vaugham[illegible]2003[illegible]Owen Lovejoy[illegible]1988[illegible]Lovejoy[illegible]

[illegible]

[6] Toth and Schick[illegible]2009[illegible].

[7] Thieme[illegible]1997[illegible].[illegible]30[illegible]

[8] Moura and Lee[illegible]2004[illegible]

[9] [illegible]H. habilis[illegible]H. rudolfensis[illegible]A. garhi[illegible]“[illegible]”[illegible]200[illegible]400[illegible]

[10] Ungar[illegible]2004[illegible]2012[illegible].[illegible]200[illegible]Ferrato wt al.[illegible]2013[illegible]

[11] Walker and Leakey□1993□□□□□□□□□□□□□□□□□□□11□□□□□□□□□□□□□□□□□□□
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[12] Wrangham□2009□; Gowlett and Wrangham□2013□; Zink and Lieberman □2016□.

[13] Aiello and Wheeler□1995□.

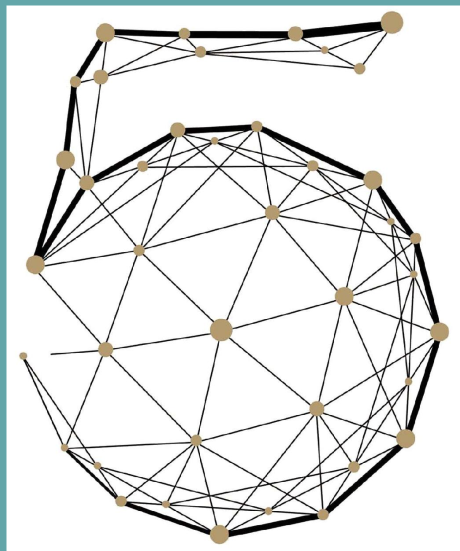
[14] Berna et al.□2011□□□□□□□□□□□□□□□□□□“□□□”□□□□□□□□□□□40□□□□□□□□□□
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[15] Ferring et al.□2011□.

[16] □□□□□□□□□□□□□□□□Homo ergaster□□□□□□□□□□□□□□□□□□Homo erectus□□□
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[17] □□
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[18] Lee□1980□.



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——L. P.[illegible]（L. P. Hartley）

[illegible]***The Go-Between***[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]20[illegible]5[illegible]

[illegible]40[illegible]“[illegible]”[illegible][1][illegible]20[illegible]——[illegible]

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1983

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·Steven Mithen [2]

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[illegible]

[illegible]Indexical Learning[illegible]·[illegible]Leslie White[illegible]

[illegible]——[illegible]

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[illegible]“[illegible]……”[illegible]

1.[illegible]……

2.[illegible]……

3.[illegible]……

4.[illegible]……

5.[illegible]……

[illegible]——[illegible][3][illegible]

[illegible]“[illegible]”[illegible]

[illegible]

[illegible]·[illegible]Robin Dunbar[illegible][4][illegible]10[illegible]

[illegible]“[illegible]”[illegible]

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[illegible]7 000[illegible]

[illegible]12[illegible]12[illegible]

[illegible]5 000[illegible]

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[illegible]

[illegible] [5] [illegible]

[illegible] [6] [illegible]

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[illegible]·[illegible] Lawrence Barham [illegible] [7] [illegible] 1 [illegible] 2 [illegible] 3 [illegible] 4 [illegible] 50 [illegible]

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20[illegible]50[illegible]Mistassini Cree[illegible]·[illegible]Eleanor Leacock[illegible]“[illegible]‘[illegible]——[illegible]’[illegible]” [8] [illegible]

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[illegible]—[illegible]Gunwinggu[illegible] [10] [illegible]

[illegible]——[illegible]“[illegible]”[illegible]tolerated theft[illegible]—[illegible]

[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]·[illegible]Mary Stiner[illegible] [11] [illegible]70[illegible]40[illegible]Qesem Cave[illegible]

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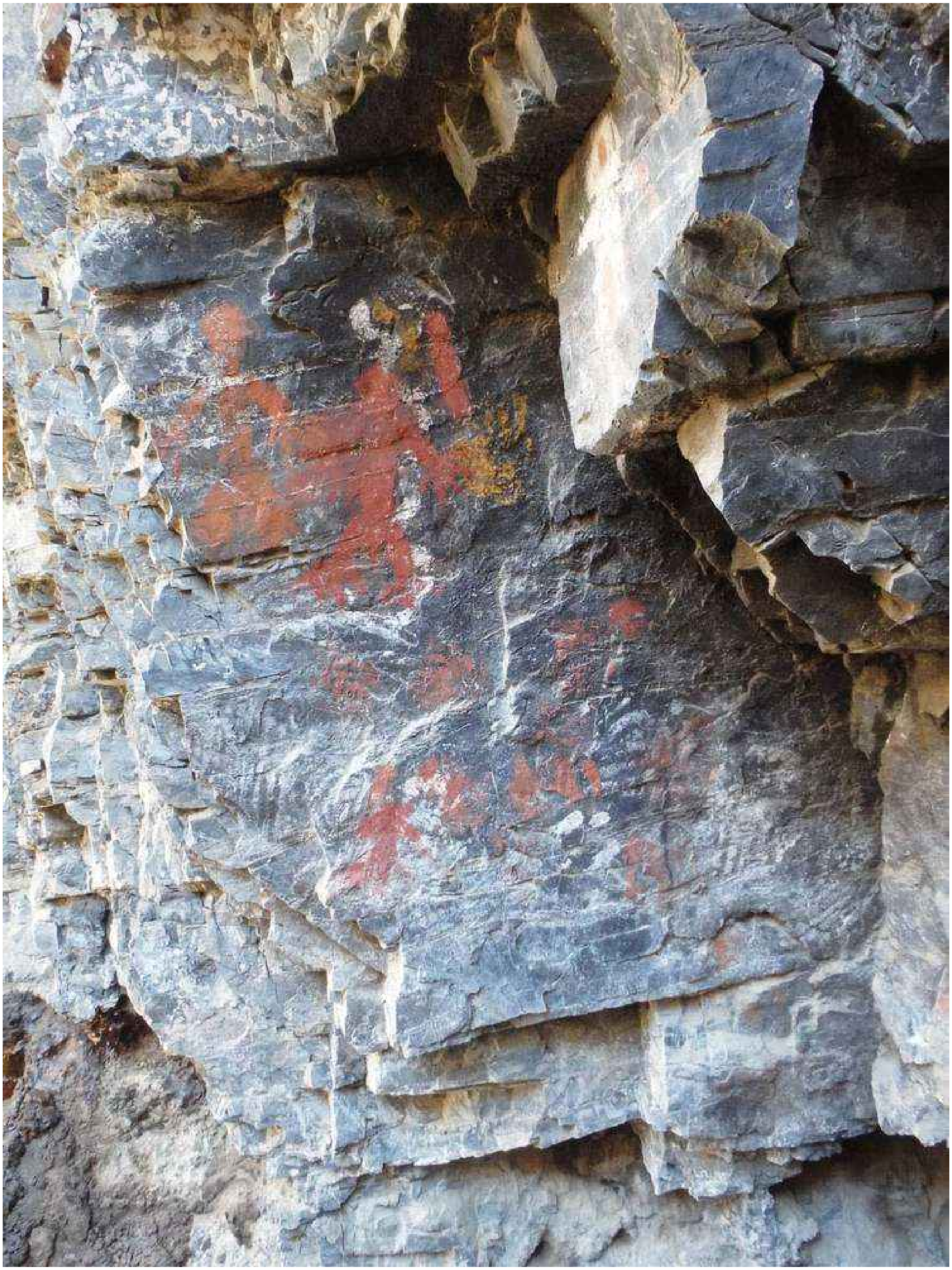
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[illegible]“[illegible]”[illegible]



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[illegible]“[illegible]”[illegible]·[illegible]Norman Rockwell[illegible]20[illegible]·[illegible]Pete Seeger[illegible] [12] [illegible]“[illegible]”[illegible]Pussy Riot[illegible]

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[illegible]20[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[illegible]Baldwin effect[illegible] [16] [illegible]——[illegible]“[illegible]”[illegible]

[illegible]12[illegible]5[illegible]——[illegible]……[illegible]

20[illegible]8[illegible]6.5[illegible]5[illegible]

[illegible]7.4[illegible]“[illegible]”[illegible] [17] [illegible]7[illegible] [18] [illegible]“[illegible]”[illegible]

[illegible]——[illegible]4[illegible]

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[illegible]·[illegible]——[illegible]David Lewis-Williams[illegible] [19] [illegible]



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[illegible]Robert Kelly[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[illegible][20] [illegible]

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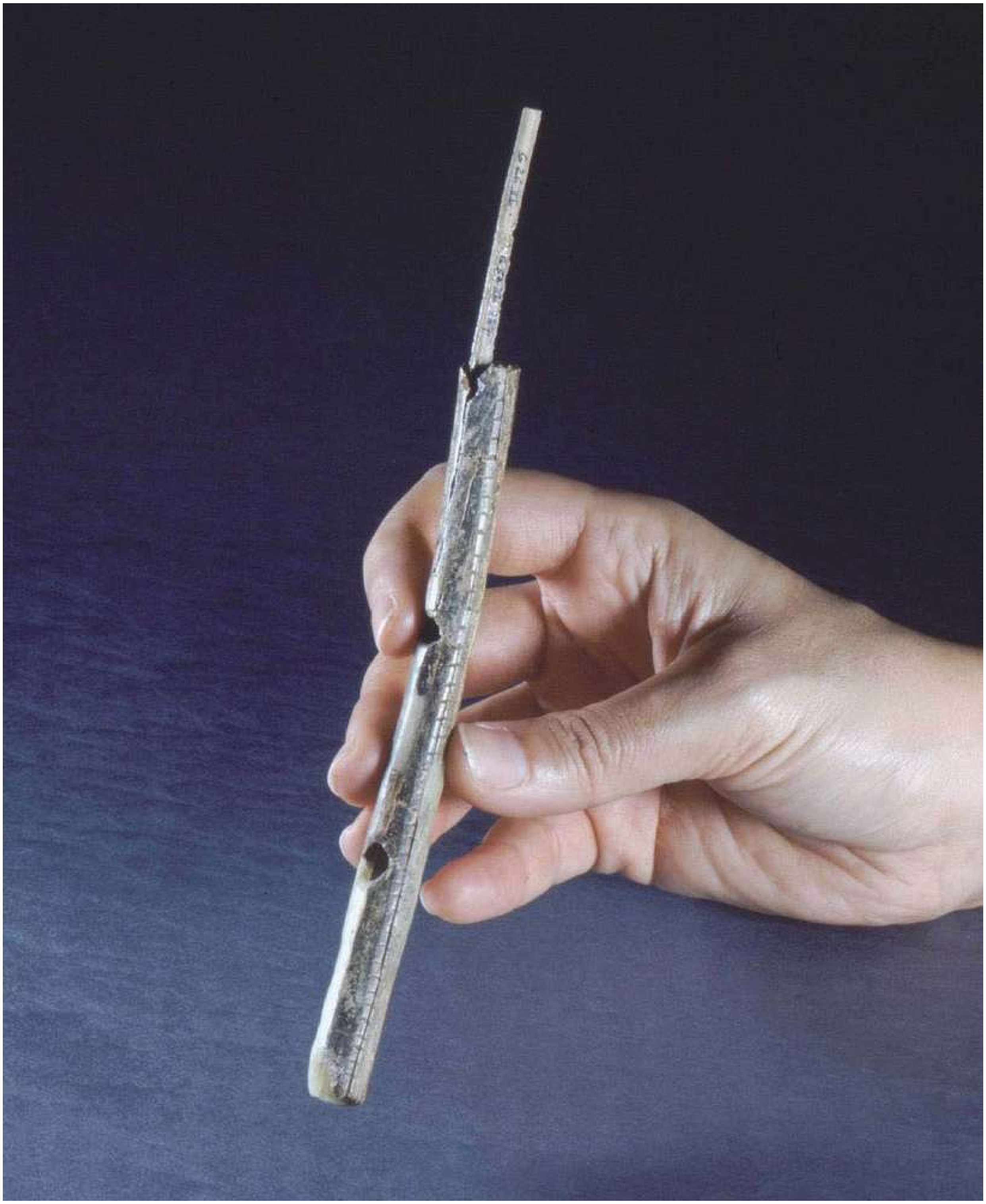
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[illegible][22][illegible]Shanidar Cave[illegible]

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[illegible]20[illegible]5[illegible]



□4-4 □□□□□□□□□□□□□□□□□□□□□42 000□□□Hilde Jensen□□□□□□□□□□□□□

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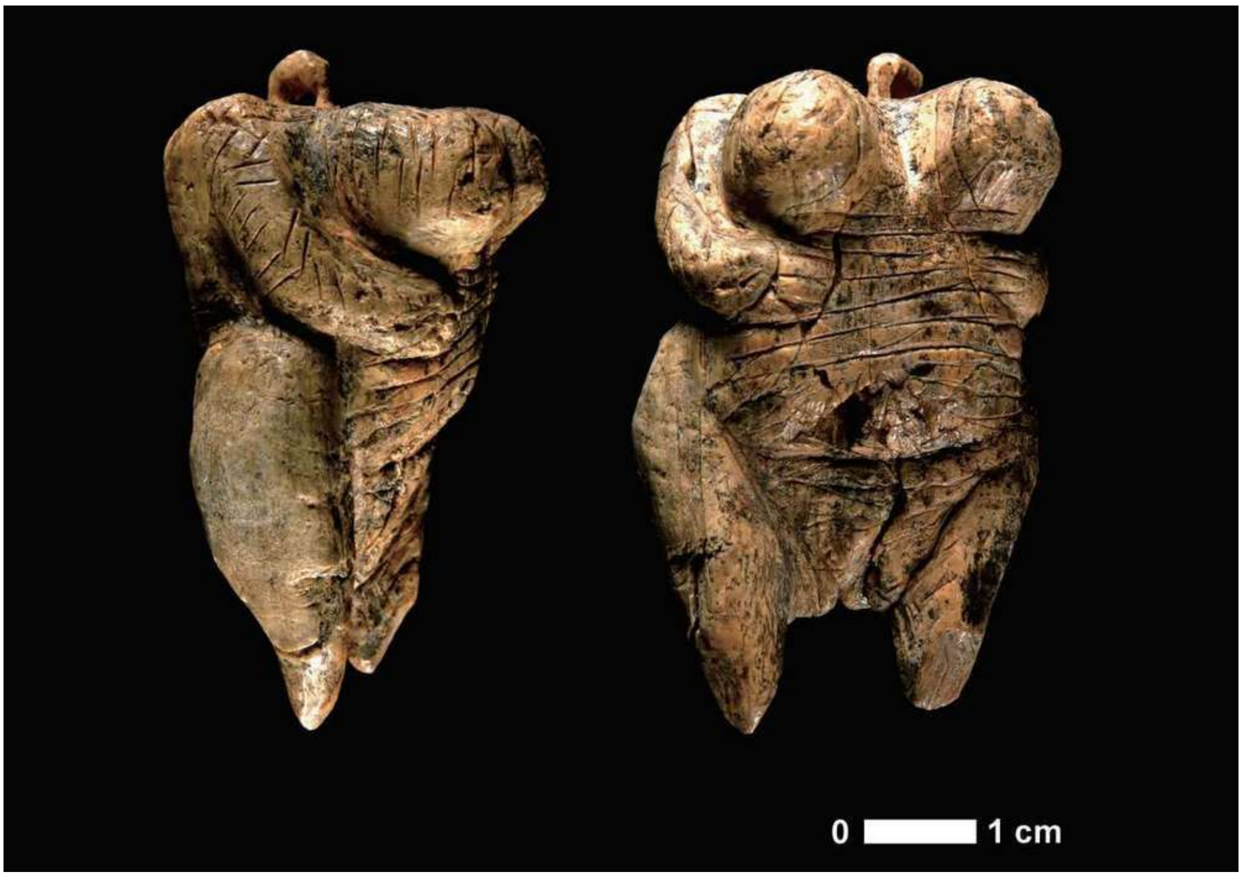
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□4-5 □□□□□□□□□□□□□□37 000□□□Hilde Jensen□□□□□□□□□□□



□4-6 □□□□□□□□□□□□□□□□□32 000□□□Juraj Lipták□□□□□□□□□□□□□□

□□·□□□Edward Hopper□□□□□□*Night Hawks*□[25]□□□□□□□□□□·□□□□·□□□□□□□□□□□□□□20□□□□□□□□□5□□□□□□□□□□□□□□□□□300□□□□□□□□5□□□□□□□□□□□□□□□□□□□□□

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[1] □□30□□□□□□□□□□□□□□□□□□□□Brauer□2014□□String□2014□□16□□□□□□□□□□□□□□□□□□□□□“□□□□”□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□“□□”□□□□□□20□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[2] Mithen□1996□.

[3] □□Kaminski□2014□□□

[4] Dunbar□2003□.

[5] □□□□□□Broca’s area□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□——□□□

[6] Steele, Ferrari and Fogassi□2012□; Sout and Chaminade□2012□.

[7] Barham□2013□;Ambrose□2010□; Wadley□2013□.

[8] Leacock□1969□.

[9] Howell□2010□.[illegible]“[illegible]”□Ju/’hoansi[illegible]/[illegible]Kung[illegible]’[illegible]

[10] Altman□1987□.

[11] Stiner, Gopher and Barkai□2011□; Stiner□2013□.

[12] [illegible]·[illegible]Pete Seeger□1919—2014[illegible]——[illegible]

[13] Henshilwood, d’Errico and Watts□2009□.

[14] Texier et al□2010□.

[15] [illegible]Stiner□2014[illegible]“[illegible]”[illegible]19[illegible]50[illegible]Joordens et al.□2015[illegible]

[16] [illegible]Baldwin effect[illegible]·[illegible]1896[illegible]——[illegible]

[17] Ambrose□2003□.

[18] Harpending and Rogers□2000□; Li and Durbin□2011□.[illegible]

[19] Lewis-Williams□2002□.

[20] Dennett□2006□□Boyer□2001□□Boyer and Bergstrom□2008□□Atran□2002□□Dawkins□2006□.[illegible]

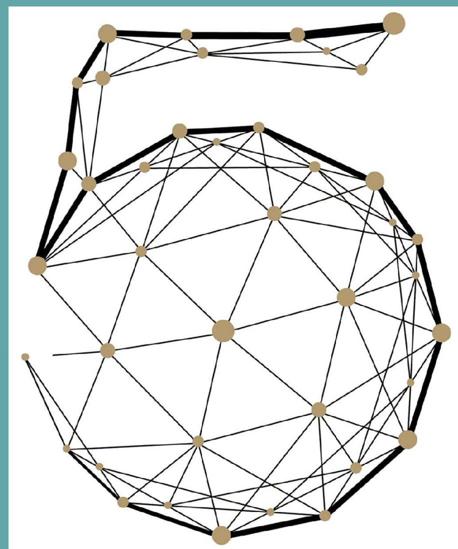
[21] Pettitt□2013□.

[22] Gargett et al□1989□□Sommer□1999□.[illegible]Zihao□2015[illegible]

[23] Smith□2004□.

[24] Wiessner□2002□.

[25] [illegible]·[illegible]1882—1967[illegible]24[illegible]——[illegible]



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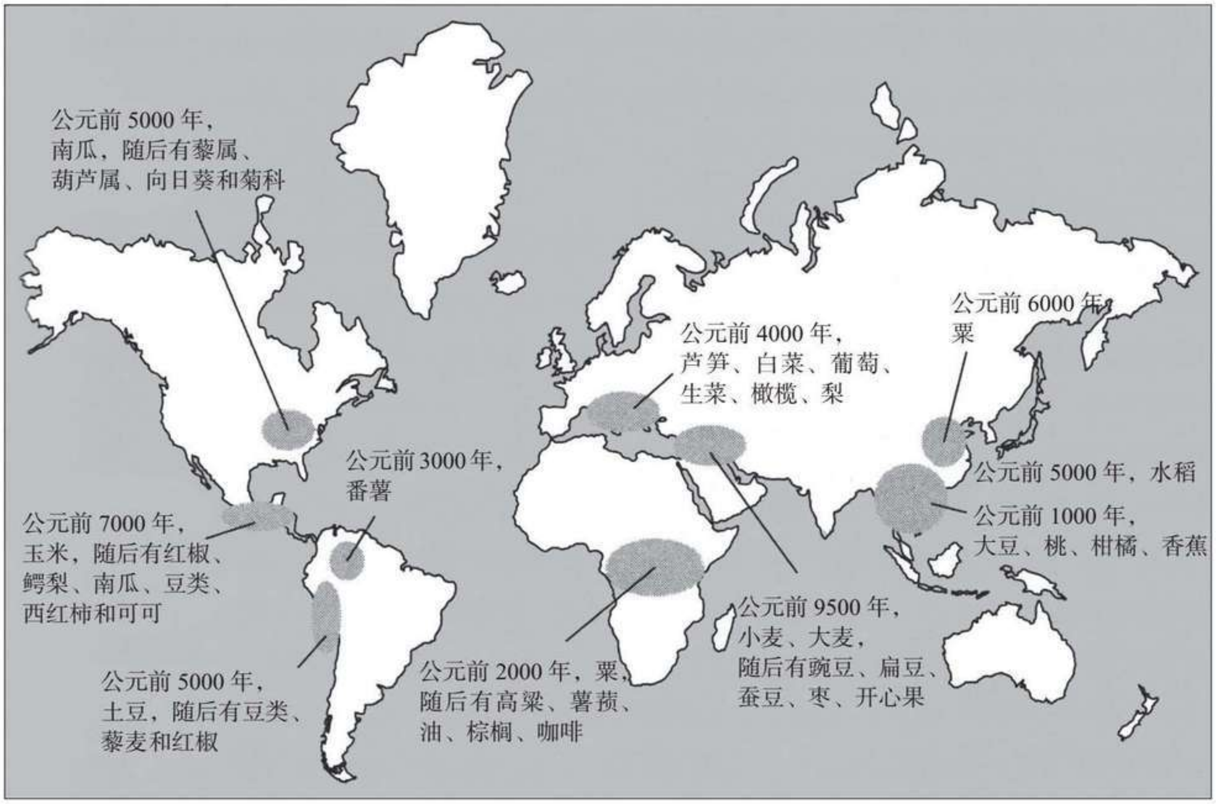
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——[illegible]·L.[illegible]（Henri L. Bergson）

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公元前 5000 年，
南瓜，随后有藜属、
葫芦属、向日葵和菊科
公元前 6000 年，
粟
公元前 4000 年，
芦笋、白菜、葡萄、
生菜、橄榄、梨
公元前 5000 年，水稻
公元前 3000 年，
番薯
公元前 7000 年，
玉米，随后有红椒、
鳄梨、南瓜、豆类、
西红柿和可可
公元前 1000 年，
大豆、桃、柑橘、香蕉
公元前 9500 年，
小麦、大麦，
随后有豌豆、扁豆、
蚕豆、枣、开心果
公元前 5000 年，
土豆，随后有豆类、
藜麦和红椒
公元前 2000 年，粟，
随后有高粱、薯蓣、
油、棕榈、咖啡

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[illegible]James Ahern[illegible]

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[illegible]1892[illegible]1947[illegible]1957[illegible] [4] [illegible]

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[illegible]7[illegible]1856[illegible] [6] [illegible]

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[illegible]5-3 [illegible]825—1125[illegible]Brigid Grund[illegible]

[illegible]5[illegible]3[illegible]18 000[illegible]

[illegible]13000[illegible][8][illegible]11000[illegible]

[illegible]5[illegible]

[illegible]10000[illegible]—[illegible][9][illegible]

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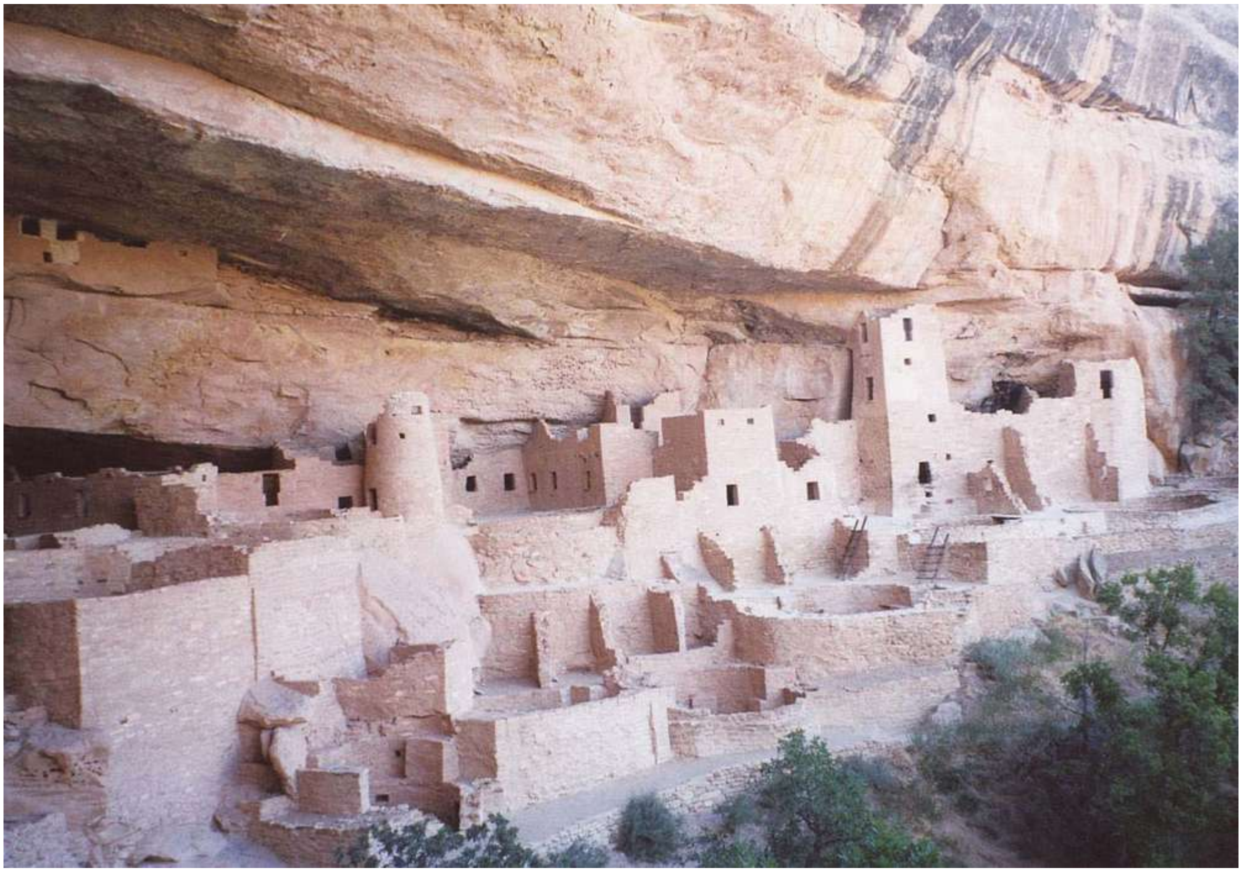
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[illegible]—[illegible]

[illegible]·[illegible]Steven Simms[illegible][10][illegible]

[illegible]7[illegible]41[illegible]96[illegible]2.74[illegible]2.74[illegible]×96[illegible]/41[illegible]= 6.41[illegible]/[illegible]385[illegible]/[illegible]100[illegible]/[illegible]/[illegible]

[illegible]—[illegible]Ache[illegible]Hadza[illegible]—[illegible]



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[illegible]Brigid Grund[illegible]

[illegible]——[illegible]——[illegible]70[illegible]

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[illegible]150[illegible]

[illegible]—[illegible]

[illegible]14500[illegible]5[illegible]0.04%[illegible]19[illegible]10[illegible][15][illegible]

[illegible]13000[illegible]12500[illegible]9500[illegible]Natufian[illegible]——[illegible]—[illegible]

[illegible]—[illegible]

[illegible]

[illegible]10900[illegible]——[illegible][16][illegible]

[17]

Lake Agassiz Manitoba Saskatchewan Ontario Mackenzie River Fram Strait

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[illegible]A[illegible]

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[illegible]·[illegible]John Doebley[illegible]7000[illegible]Balsas River[illegible][19][illegible]—[illegible]—[illegible]—[illegible]

[illegible]—[illegible]8000[illegible]/[illegible]5000[illegible]3000[illegible]“[illegible]”[illegible]

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[illegible]8000[illegible]2000[illegible]4000[illegible]5-1[illegible]

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[illegible]

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[illegible]1.14%[illegible]20[illegible]60[illegible]2.2%[illegible]—[illegible]0.04%[illegible]

[illegible]—[illegible]——[illegible]·[illegible]——[illegible]—[illegible] [23] [illegible]—[illegible]50%[illegible]60%[illegible]19[illegible]—[illegible]

[illegible]—[illegible]—[illegible]19[illegible]10[illegible]—[illegible]

[illegible]—[illegible]

[illegible]—[illegible]—[illegible]4[illegible]6[illegible]

[illegible][24][illegible]—[illegible]50%[illegible]60%[illegible]4[illegible]9[illegible]



[illegible]5-5 [illegible]3200 ——[illegible]2500[illegible]Robert Kelly[illegible]



[illegible]5-6 [illegible]3600 ——[illegible]2500[illegible]
[illegible]Robert Kelly[illegible]



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□Robert Kelly□□



[illegible]5-8 [illegible]3000[illegible]Robert Kelly[illegible]

[illegible]—[illegible]—[illegible]—[illegible]

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[1] [illegible]Shipman[illegible]2015[illegible]Skoglund et al.[illegible]2015[illegible]

[2] [illegible]7000[illegible]7000[illegible]4000[illegible]1000[illegible]

[3] [illegible]2013[illegible]http://faostat3.fao.org/browse/Q/QC/E[illegible]

[4] [illegible]10[illegible]1968[illegible]Vere[illegible]V. Gordon Childe[illegible]Trigger[illegible]1980[illegible]

[5] Childe[illegible]1936[illegible].[illegible]Childe[illegible]1942[illegible]

[6] 1848[illegible]1826[illegible]

[7] [illegible]Reich et al.[illegible]2010[illegible]

[8] [illegible]Paisley Five-Mile[illegible]14500[illegible]DNA[illegible]20000[illegible]Meltzer[illegible]2009[illegible]

[9] [illegible]10000[illegible]2000[illegible]2000[illegible]800[illegible]19[illegible]

[10] Simms[illegible]1987[illegible].[illegible]Kelly[illegible]2013b[illegible]

[11] [illegible]—[illegible]Kelly[illegible]2013b[illegible]

[12] [illegible]Barker[illegible]2006[illegible]

[13] 2009[illegible]180[illegible]

[14] [illegible]

[15] Zahid, Robinson, and Kelly[illegible]2016[illegible].[illegible]Kelly et al.[illegible]2013[illegible]

[16] [illegible]Drya octopetala[illegible]14000[illegible]

[17] [illegible]“[illegible]”[illegible]Alley 2007[illegible]Broecker[illegible]2010[illegible]Muschitiello et al.[illegible]2015[illegible]Not and Hillaire-Marcel[illegible]2012[illegible]

[18] [illegible]

[19] Doebley[illegible]2004[illegible].

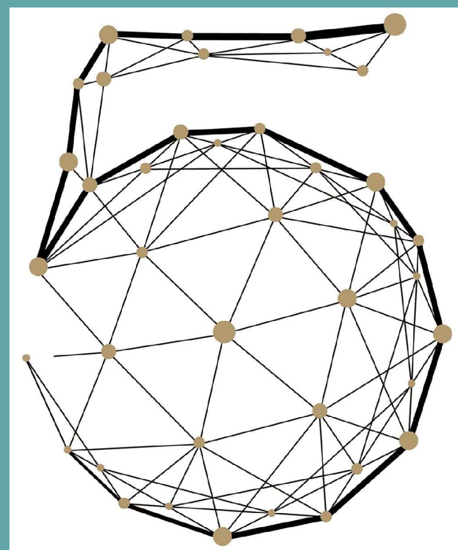
[20] [illegible]“[illegible]”[illegible]Smith[illegible]2015[illegible]

[21] [illegible]

[22] [illegible]“[illegible]”[illegible]“[illegible]”[illegible]Hayden[illegible]2014[illegible]

[23] Bocquet-Appel[illegible]2015[illegible].

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[illegible]6[illegible]

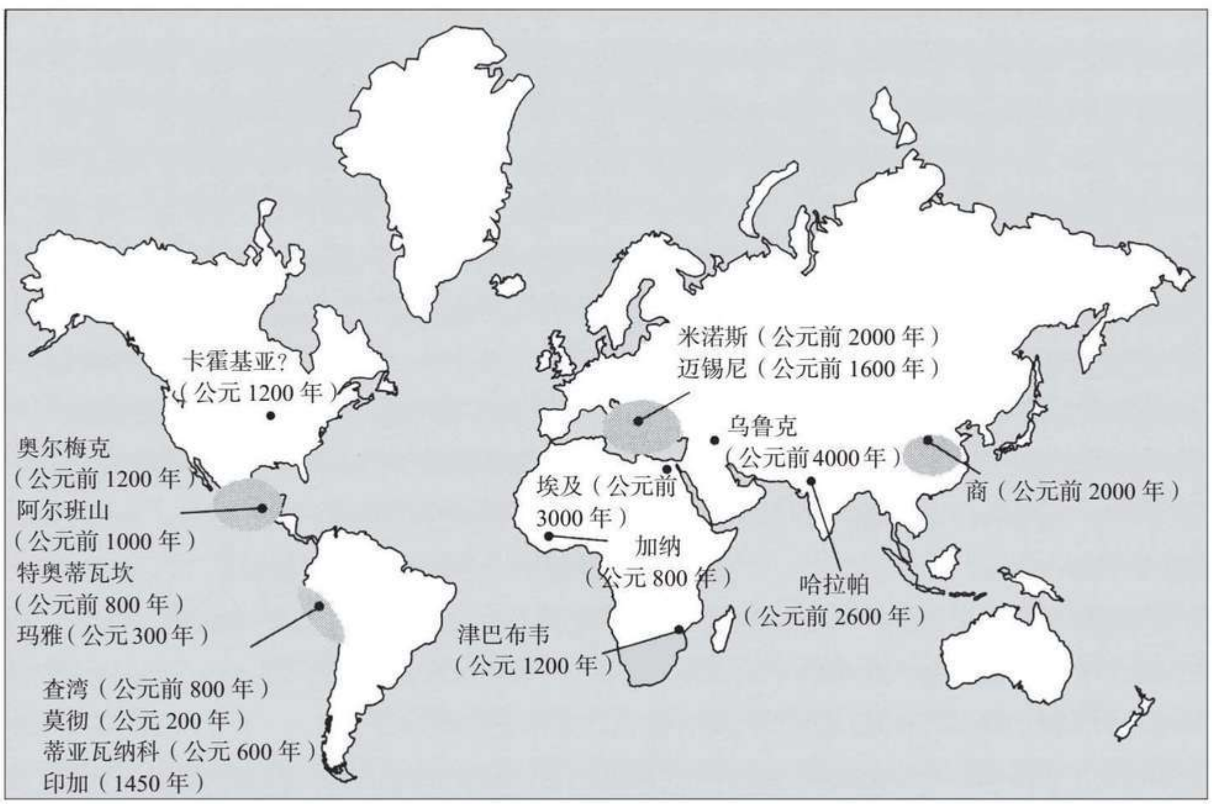
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[illegible]

——[illegible]·[illegible]·[illegible]Finley Peter Dunne[illegible]

[illegible]·[illegible]——[illegible]

[illegible]1799[illegible]——[illegible]·[illegible]Pierre-François Bouchard[illegible]1801[illegible]



[illegible]6-1 [illegible]

[illegible]·[illegible]Brian Fagan[illegible][1][illegible]19[illegible]——[illegible]

[illegible] [2] [illegible]

[illegible] 10 000 [illegible] 5 000 [illegible] 600 [illegible] —— [illegible]

[illegible] “[illegible]” [illegible] 40 [illegible] — [illegible]

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[illegible] 10 000 [illegible] 5 000 [illegible] · [illegible] Paul Roscoe [illegible] “[illegible]” [illegible] [3] [illegible]

[illegible] 2550 — [illegible] 2475 [illegible]

[illegible]



[illegible]6-2 [illegible]2600[illegible]Brigid Grund[illegible]

[illegible]——[illegible]mastaba[illegible]Djoser[illegible]2620[illegible]Saqqara[illegible]Sneferu[illegible]

[illegible]60°[illegible]55°[illegible]44°[illegible]“[illegible]”[illegible]“[illegible]”[illegible]2550[illegible] [4] [illegible]

[illegible]19[illegible]

[illegible]Göbekli[illegible]20[illegible]T[illegible]20[illegible]9000[illegible]3000[illegible]40[illegible]1[illegible]2[illegible]220[illegible]

[illegible]——[illegible]——[illegible]

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[illegible]1200[illegible]Olmec[illegible]Monte Alban[illegible]Teotihuacán[illegible]8[illegible]——[illegible]1519[illegible]Yucatan Peninsula[illegible]250—[illegible]900[illegible]

[illegible]1500[illegible]Cuzco[illegible]Machu Picchu[illegible] [5] [illegible]

[illegible]5000[illegible]3300[illegible]2500—[illegible]1500[illegible]1000[illegible] [6] [illegible]3500[illegible]1400[illegible]



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□6-4 □□□□□□□□□□□□□□□□□□□□4□□□□□□□1□□□□Linsie Lafayette□□



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[illegible]6-7 [illegible]450[illegible]Tony Fitzpatrick[illegible]

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[illegible]200[illegible]6 400[illegible]——[illegible]

[illegible]“[illegible]”[illegible]7[illegible]

[illegible]3000[illegible]3100[illegible]2500[illegible]1500[illegible]1000[illegible]A[illegible]1600[illegible]B[illegible]1450[illegible]750[illegible]Zapotec[illegible]Mixtec[illegible]300[illegible]1300[illegible]

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[illegible]6-8 [illegible]210—[illegible]209[illegible]



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[illegible]6-10 [illegible]7—17[illegible]



[illegible]6-11 [illegible]11—13[illegible]

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[illegible]1450—[illegible]1220[illegible]334[illegible]2000[illegible]1299—1922[illegible]

[illegible]2500[illegible]1271[illegible]5000[illegible]5000[illegible]

[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[illegible]—[illegible]“[illegible]”[illegible]·[illegible]Jean Briggs[illegible]1970[illegible][8][illegible]

[illegible]·[illegible]Douglas Fry[illegible]“[illegible]”[9][illegible]“[illegible]”[illegible]

[illegible]1860[illegible]Yakutat Tlingit[illegible]Sitka Tlingit[illegible][10][illegible]

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[illegible]—[illegible]（Jul’hoan）[illegible]·[illegible]（Richard Lee）[illegible]“[illegible]……[illegible]”[illegible]“[illegible]”[17]

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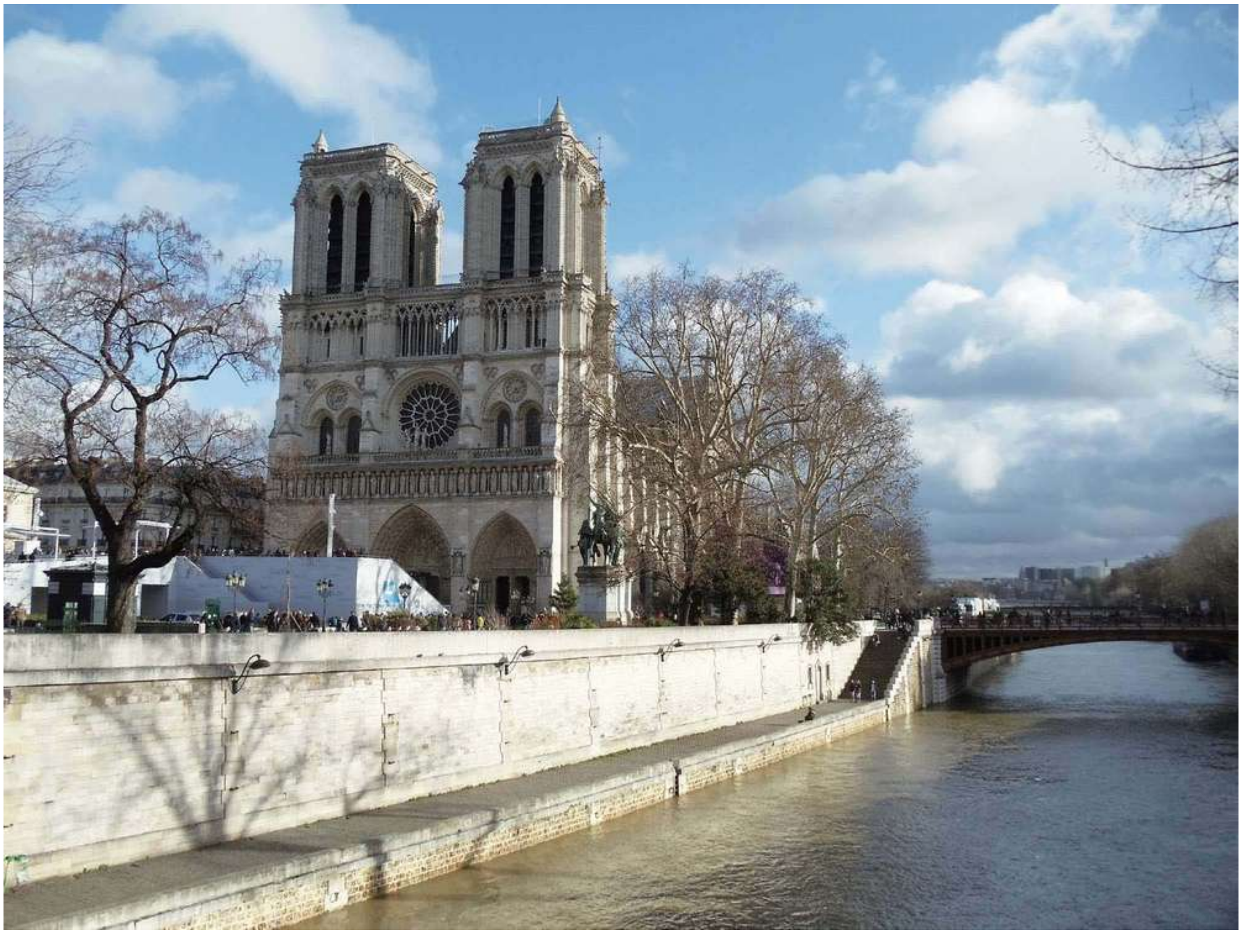
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□□□□□Robert Kelly□□



□6-13 □□□□□□□□□□□□□□□□4□□□
□□□Robert Kelly□□



[illegible]6-14 [illegible]17—18[illegible]



[illegible]6-15 [illegible]17—18[illegible]



□6-16 □□□□□□□□□□□□□□□□□□6□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Matt Kesterke□□



[illegible]6-17 [illegible]72—80[illegible]
[illegible]Rachel Lau McDonald[illegible]



[illegible]6-18 [illegible]



[illegible]6-19 [illegible]



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20[illegible]80[illegible]“[illegible]”[illegible]“[illegible]”[illegible]5700[illegible]·[illegible]·[illegible]Joyce Marcus[illegible]·[illegible]Kent Flannery[illegible][22][illegible]

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[illegible]“[illegible]”[illegible]“[illegible]”[illegible]—[illegible]

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[1] Fagan□1975□.

[2] [illegible]1815[illegible]·[illegible]·[illegible]Giovanni Battista Belzoni[illegible]Ozymandias[illegible]——[illegible]Sekhmet[illegible]

[3] Roscoe□2009□.

[4] Lehner□1997□.[illegible]44°[illegible]52°[illegible]

[5] [illegible]

[6] [illegible]“[illegible]”[illegible]2000[illegible]1250[illegible]500[illegible]600[illegible]

[7] [illegible]40[illegible]

[8] Briggs□1970□.

[9] Fry□2007□.

[10] Ames and Maschner□1999□.

[11] Kelly□2013a□2013b□.[illegible]

[12] [illegible]

[13] Wendorf□1968□.[illegible]8000[illegible]Nataruk[illegible]Mirazon Lahr et al□2016□□

[14] Haas and Piscitelli□2013□.

[15] Ferguson□2013□.

[16] □□Allen and Jones□2014□□

[17] [illegible]Lee□1979□246[illegible]Codere□1950□120□□

[18] [illegible]20[illegible]70[illegible]15[illegible]10[illegible]“[illegible]”[illegible]

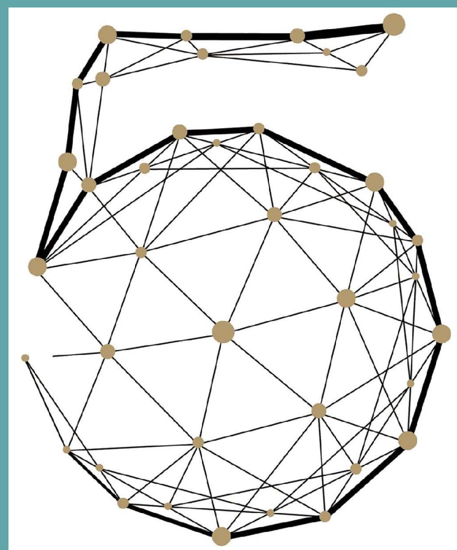
[19] Ember and Ember□1992□; Ember, Adem and Skoggard□2013□.

[20] Keith□2004[illegible]

[21] Atran□2010□.

[22] Flannery and Marcus□2012□.

[23] [illegible]



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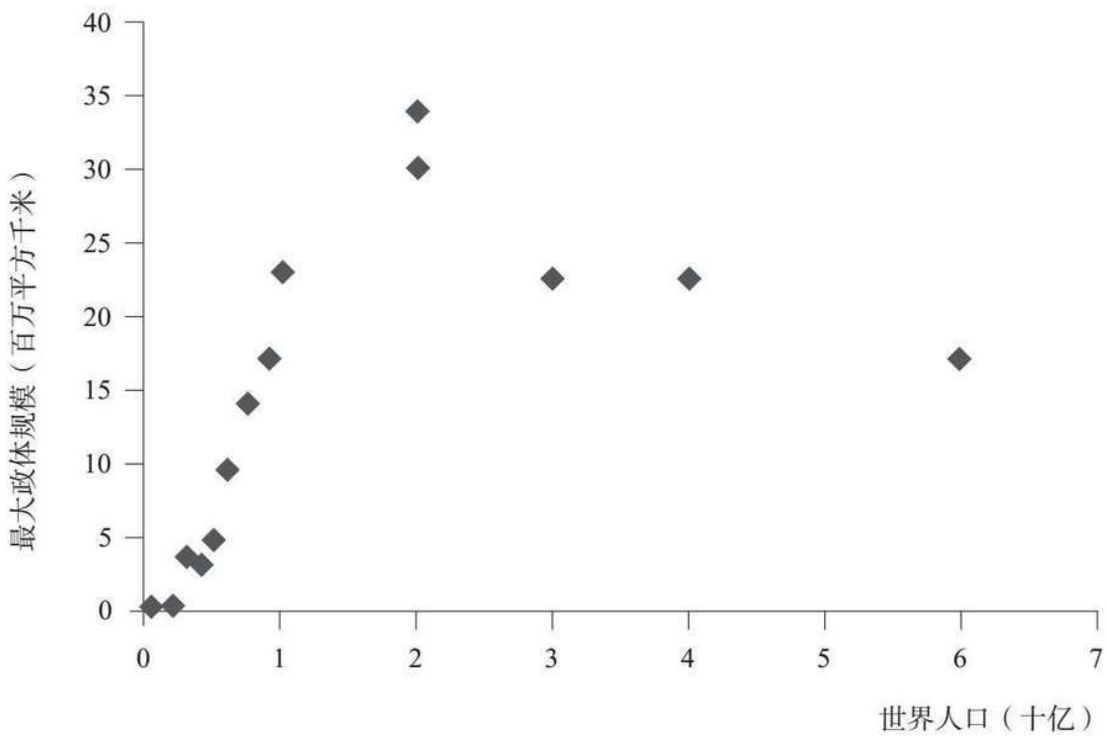
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[illegible]*The Parliament of Man*[illegible]·[illegible]Paul Kennedy[illegible]*Winning the War on War*[illegible]·[illegible]Joshua Goldstein[illegible][40][illegible]

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[3] Steffen, Broadgate, et al.□2015□; Steffen, Richardson, et al.□2015□.

[4] □□□□□□□20□□50□□□□□□□20□□80□□□□□□□□□□

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[6] □□□50%□□

[7] Roser□2015□.

[8] □□□□□□□□□□□·□□□Yogi Berra□□□□·□□□□□Casey Stengel□□□□·□□□□□□·□□□Niels Bohr□□□□□□□

[9] □□□□□□□□□□□□□·□1971□□·□□□Dennis Gabor□□1963□□□□□□□□□□□□□□“□□□□□□□□□□□□□□”□□□□□□□□□□□□□□□□□□

[10] □□Ackerman□2014: 181□□

[11] □□□

[12] Micklethwait and Wooldridge□2014□□□□□□□□Waltz□1954□□□□□□□□□□□□Peregrin, Ember and Ember□2004□□Carneiro□2004□□Graber□2004□□Roscoe□2004□□Taagepera□1978□□

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[17] □□1995□□□□Zenith□□□□□□□□□□□□□□□□□□□□2012□□□□□□□□□Element Electronics□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

[18] Friedman□2005□.

[19] “□□□□□”□2015□□

[20] 1944□□P-51□□□□□□□□□51 000□□□——□□□□□□□□□□□□□□□□

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[23] Fallows□2015□.

[24] Keegan□1993: 59□; Goldstein□2012□; Human Security Report Project□2011□.

[25] [illegible]49[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]——[illegible]

[26] [illegible]

[27] Armstrong[illegible]2014[illegible].

[28] Barber[illegible]1996[illegible].

[29] [illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[30] [illegible]Lyons[illegible]2015[illegible]

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[32] [illegible]“[illegible]”[illegible]——[illegible]——[illegible]——[illegible]——[illegible]——[illegible]Graber[illegible]2004[illegible]

[33] Cartwright[illegible]2008: 49[illegible].[illegible]“[illegible]”[illegible]

[34] Khanna[illegible]2011[illegible]Davidson and Rees-Mogg[illegible]1997[illegible]

[35] Khanna[illegible]2013: SR 5[illegible].

[36] “[illegible]”[illegible]2015[illegible]

[37] [illegible]“[illegible]”[illegible]http://en.wikipedia.org/wiki/sovereign_state[illegible]2015[illegible]1[illegible]13[illegible]

[38] [illegible]

[39] Hsiang et al[illegible]2011, 2013[illegible].

[40] Kennedy[illegible]2006[illegible]; Goldstein[illegible]2012[illegible].

[41] Ewing[illegible]2007: 35[illegible]2004[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[illegible]“[illegible]”[illegible]genus[illegible]“[illegible]”[illegible]*Panthera* [illegible]“*Panthera leo*”[illegible]*Panthera* [illegible]*leo* [illegible]“*Homo sapiens*”[illegible]*Homo* [illegible]“[illegible]”[illegible]*sapiens* [illegible]“[illegible]”[illegible]

[illegible]family[illegible]2500[illegible]

[illegible]600[illegible]

[illegible]

[illegible]human[illegible]“[illegible]”[illegible]1[illegible]“[illegible]”[illegible]“human”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“Homo sapiens”[illegible]“[illegible]”[illegible]“Homo”[illegible]

[illegible]250[illegible]“[illegible]”[illegible]*Australopithecus* [illegible]200[illegible]

[illegible]“*Homo neanderthalensis* ”[illegible]“[illegible]Neander Valley[illegible]”[illegible]“[illegible]”[illegible]Neanderthals[illegible]“[illegible]”[illegible]“[illegible]”[illegible]*Homo erectus* [illegible]200[illegible]1000[illegible]200[illegible]

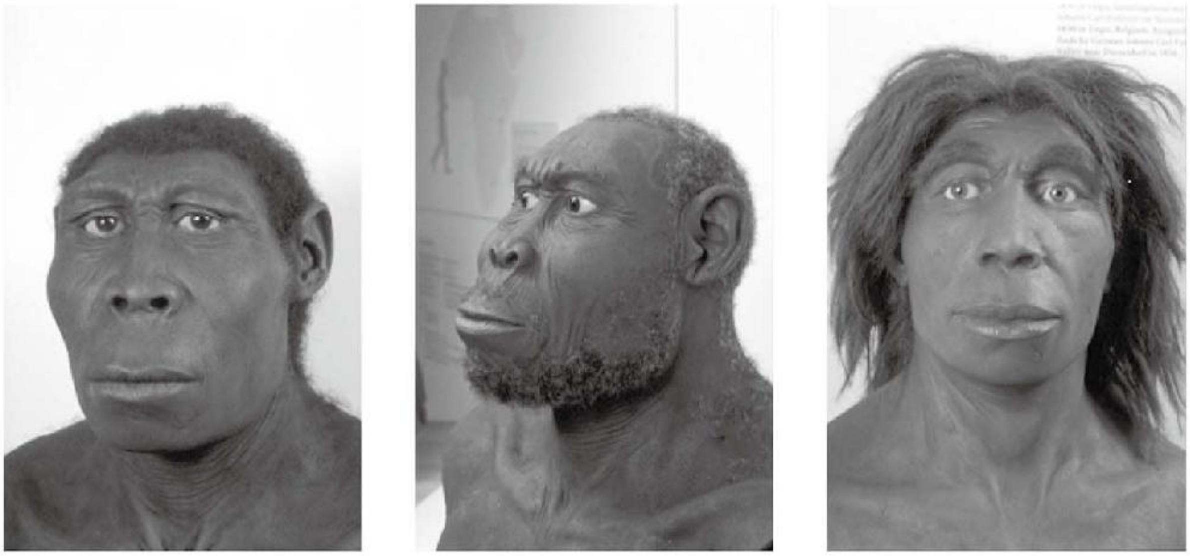
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2010[illegible]Denisova[illegible]“[illegible]”[illegible]*Homo denisova* [illegible]

[illegible]“[illegible]”[illegible]*Homo rudolfensis* [illegible]“[illegible]”[illegible]“[illegible]”[illegible]*Homo ergaster* [illegible]“[illegible]”[illegible]“[illegible]”[illegible]*Homo sapiens* [illegible]“[illegible]”[illegible]

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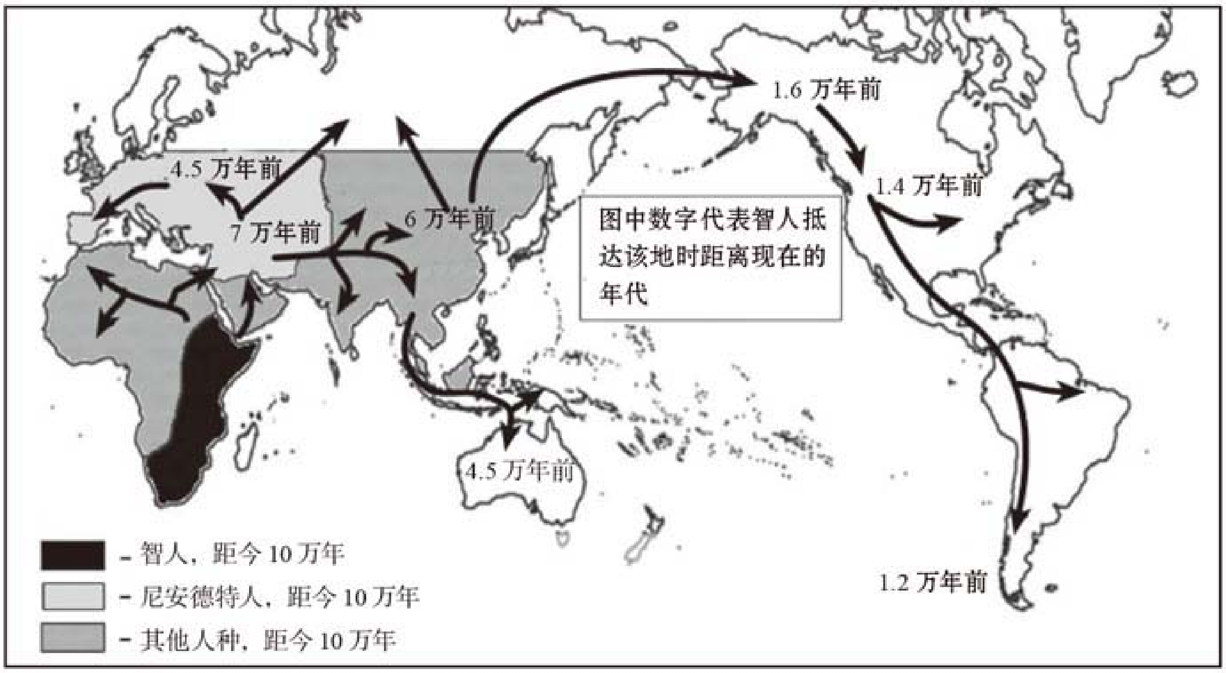
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1.6 万年前
4.5 万年前
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图中数字代表智人抵达该地时距离现在的年代
4.5 万年前
– 智人，距今 10 万年
– 尼安德特人，距今 10 万年
– 其他人种，距今 10 万年
1.2 万年前



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[illegible]DNA[illegible]bonobo[illegible]

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[6]

名称	新能力	更深远的影响
河边有只狮子	能够传达更大量关于智人身边环境的信息	规划并执行复杂的计划，比如躲开狮子、猎捕野牛
八卦	能够传达更大量关于智人社会关系的信息	组织更大、更有凝聚力的团体，规模可达 150 人
虚构故事	能够传达关于虚构概念的信息，例如部落的守护神、国家、有限公司以及人权	1. 大量陌生人之间的合作 2. 社会行为的快速创新

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[illegible]DNA[illegible]

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3. [illegible]

[illegible]3[illegible]

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[1] [illegible]——[illegible]

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[illegible]15 000[illegible]

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[illegible]



[illegible]6 [illegible]12 000[illegible][[illegible]Kibbutz Ma’ayan Baruch Museum[illegible]][illegible]50[illegible]

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[illegible]40[illegible]100[illegible]1[illegible]

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[illegible]45 000[illegible]

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[illegible]“[illegible]”[illegible]

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[illegible]30~40[illegible]60[illegible]80[illegible]45[illegible]20[illegible]5%~8%[illegible]60[illegible] [7]

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[illegible]Ache[illegible]20[illegible]60[illegible]“[illegible]”[illegible]

[illegible]“[illegible]……[illegible]……[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible] [8]

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[illegible]animism[illegible]“anima”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[illegible]7 [illegible]Lascaux Cave[illegible]15 000~20 000[illegible]
[illegible]Rorschach test[illegible]

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[illegible]“[illegible]”[illegible]

[illegible]19[illegible]19[illegible]20[illegible]

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[illegible]400[illegible]400[illegible]18[illegible]18/400[illegible]18[illegible]4.5%[illegible]1.5%[illegible]20[illegible]

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[illegible]7[illegible]6[illegible]“[illegible]”[illegible]

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[illegible]24[illegible]50[illegible]23[illegible][2][illegible]

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90%[illegible] [3]

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[illegible]Wrangel Island[illegible]200[illegible]1[illegible]4000[illegible]

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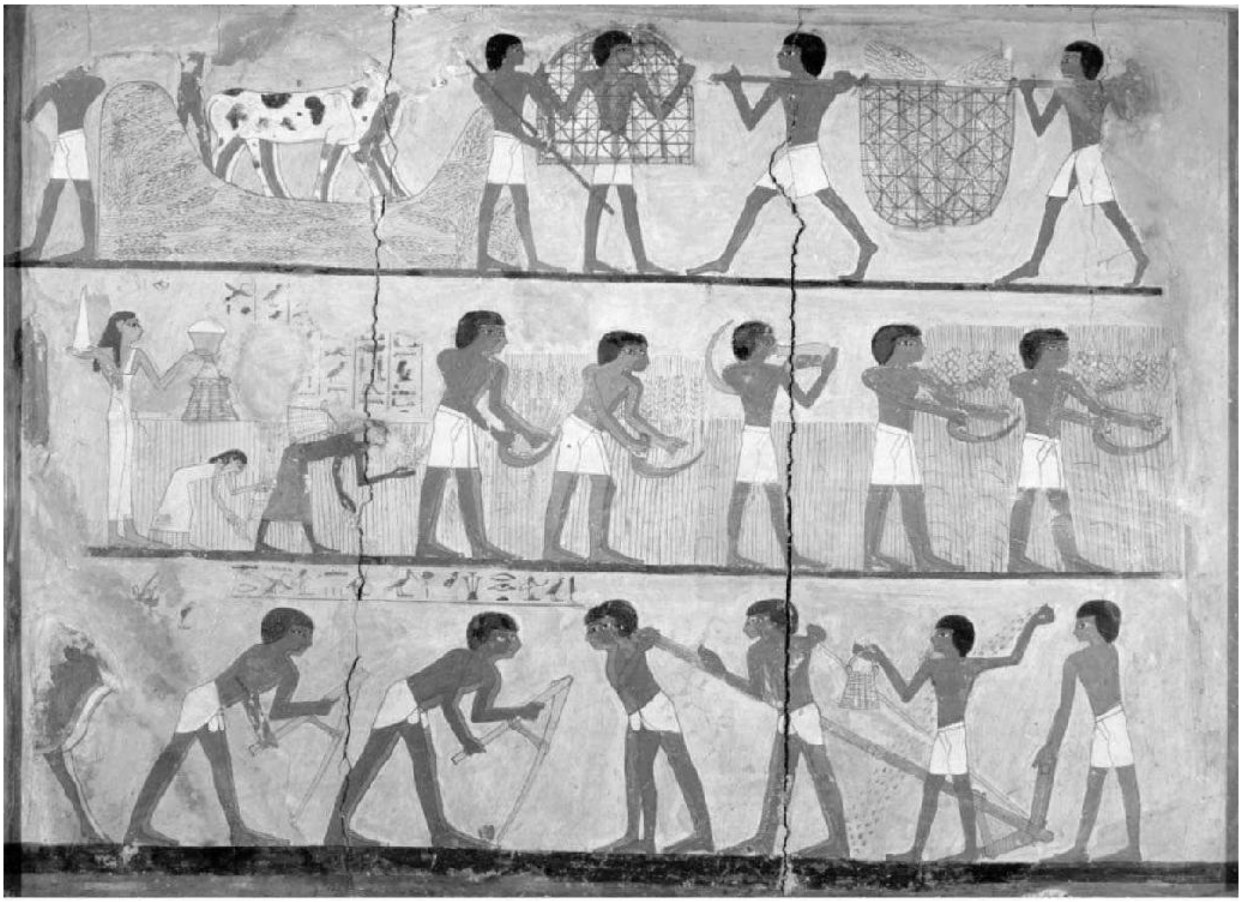
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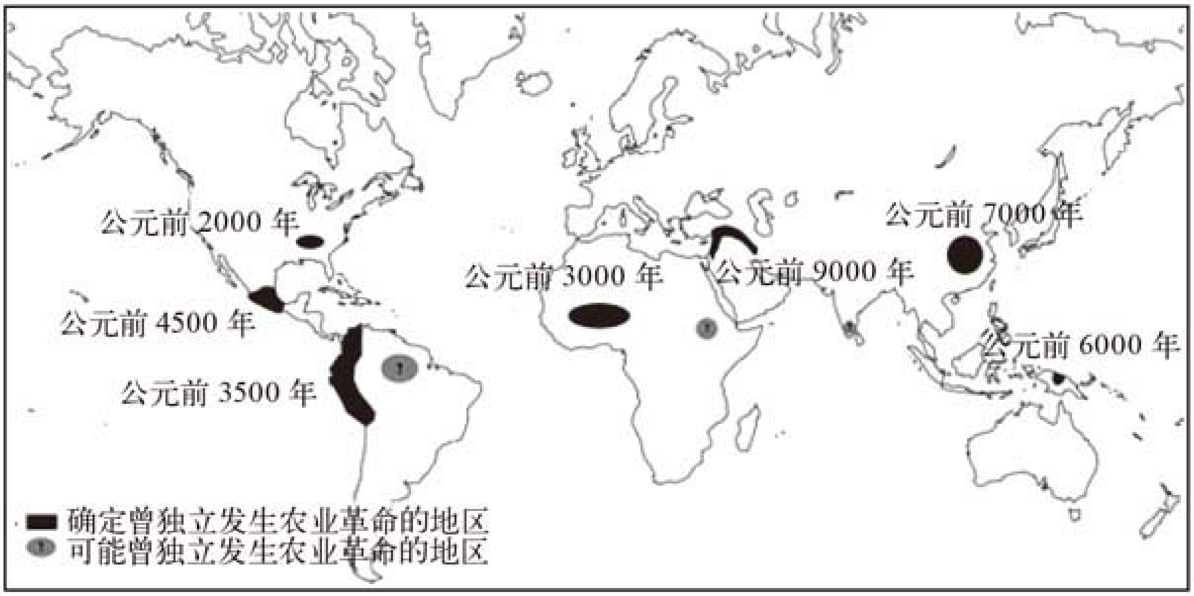
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[illegible]9500[illegible]8500[illegible]9000[illegible]8000[illegible]5000[illegible]4000[illegible]3500[illegible]3500[illegible]90%[illegible]9500[illegible]3500[illegible]2000[illegible]

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公元前 2000 年
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公元前 9000 年
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确定曾独立发生农业革命的地区
可能曾独立发生农业革命的地区

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[illegible] 15% [illegible] 25% [illegible] Dani [illegible] Enga [illegible] 30%～35% [illegible] Waorani [illegible] 50% [illegible] [2] [illegible]

[illegible]1[illegible]“[illegible]”[illegible]

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[illegible]DNA[illegible]DNA[illegible]DNA[illegible]DNA[illegible]1000[illegible]DNA[illegible]100[illegible]

[illegible]“[illegible]”[illegible]

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[illegible]

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[illegible]10 [illegible]5[illegible]

[illegible]Stonehenge[illegible]2500[illegible]9500[illegible]

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[illegible]

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[illegible] “[illegible]” [illegible]

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[illegible]“[illegible]”[illegible]

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196. [illegible]

197. [illegible]

198. [illegible]60[illegible]shekel[illegible]8.33[illegible]

199. [illegible] [5] [illegible]

209. [illegible]10[illegible]

210. [illegible]

211. [illegible]5[illegible]

212. [illegible]30[illegible]

213. [illegible]2[illegible]

214. [illegible]20[illegible] [6]

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Charles Maurice de Talleyrand-Périgord

1860

Diogenes

2000

250

·Adam Smith

“”Sir“”Madam“”Dear Sir or Madam

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2. [illegible]

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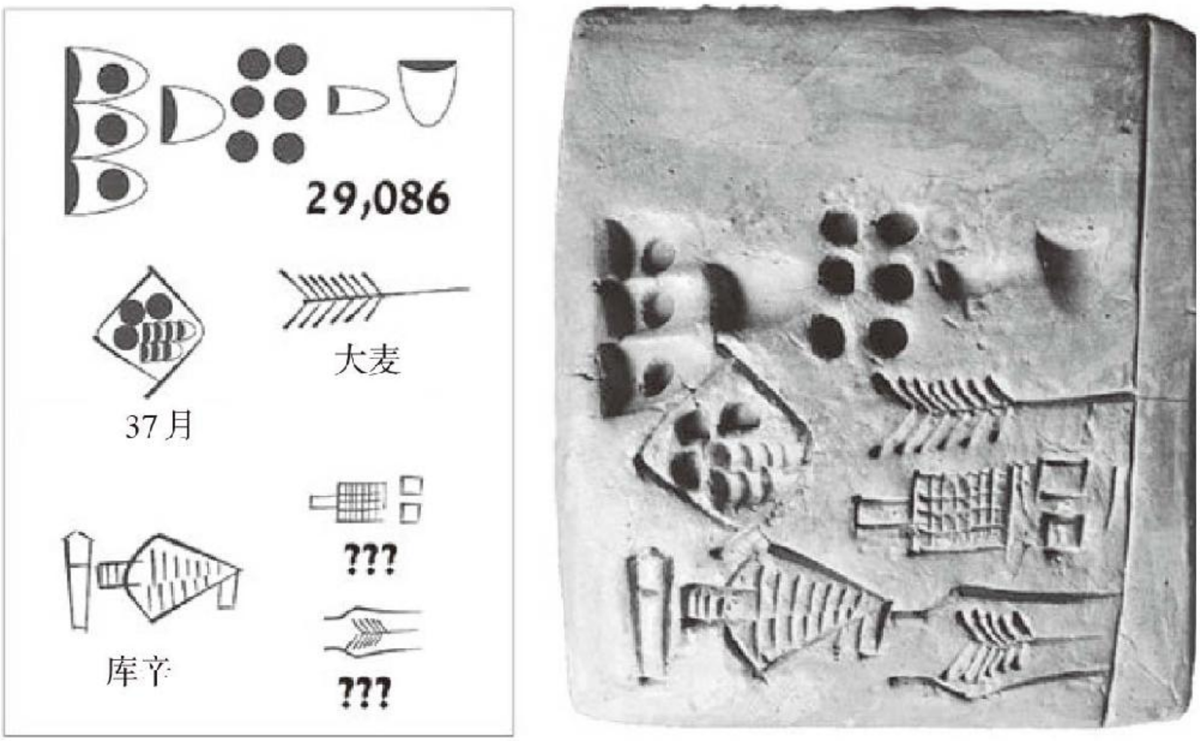
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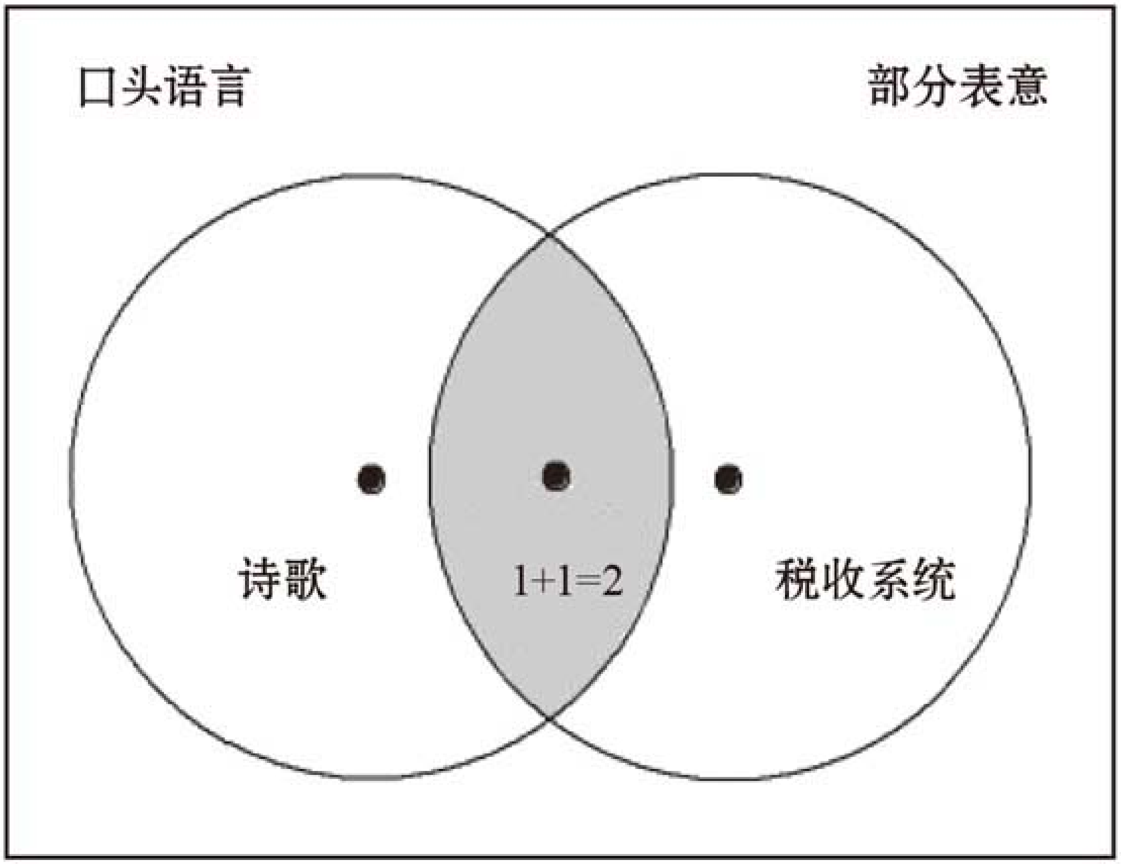
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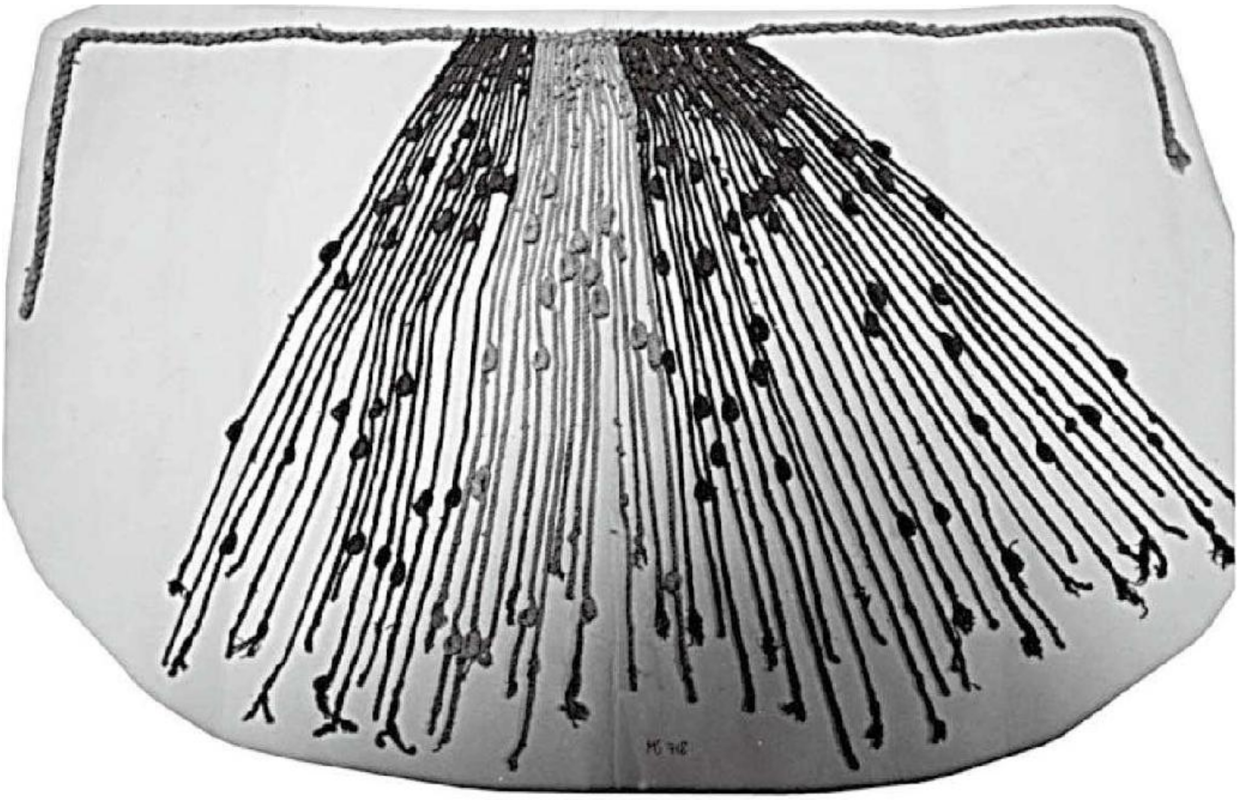
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$$
\begin{aligned}
\ddot{\mathbf{r}}_i = \sum_{j\neq i} \frac{\mu_j\left(\mathbf{r}_j - \mathbf{r}_i\right)}{r_{ij}^3} \Bigg\{ 1 &- \frac{2(\beta+\gamma)}{c^2}\sum_{l\neq i}\frac{\mu_l}{r_{il}} \\
&- \frac{2\beta-1}{c^2}\sum_{k\neq j}\frac{\mu_k}{r_{jk}} + \gamma\left(\frac{\dot{s}_i}{c}\right)^2 \\
&+ (1+\gamma)\left(\frac{\dot{s}_j}{c}\right)^2 - \frac{2(1+\gamma)}{c^2}\,\dot{\mathbf{r}}_i\cdot\dot{\mathbf{r}}_j \\
&- \frac{3}{2c^2}\left[\frac{\left(\mathbf{r}_i-\mathbf{r}_j\right)\cdot\mathbf{r}_j}{r_{ij}}\right]^2 + \frac{1}{2c^2}\left(\mathbf{r}_j-\mathbf{r}_i\right) \\
&\cdot \ddot{\mathbf{r}}_j \Bigg\} \\
&+ \frac{1}{c^2}\sum_{j\neq i}\frac{\mu_i}{r_{ij}{}^3}\left\{\left[\mathbf{r}_i-\mathbf{r}_j\right]\right. \\
&\left.\cdot\left[(2+2\gamma)\,\dot{r}_i - (1+2\gamma)\,\dot{\mathbf{r}}_j\right]\right\}\left(\dot{\mathbf{r}}_i-\dot{\mathbf{r}}_j\right) \\
&+ \frac{3+4\gamma}{2c^2}\sum_{j\neq i}\frac{\mu_j\ddot{\mathbf{r}}_j}{r_{ij}}
\end{aligned}
$$

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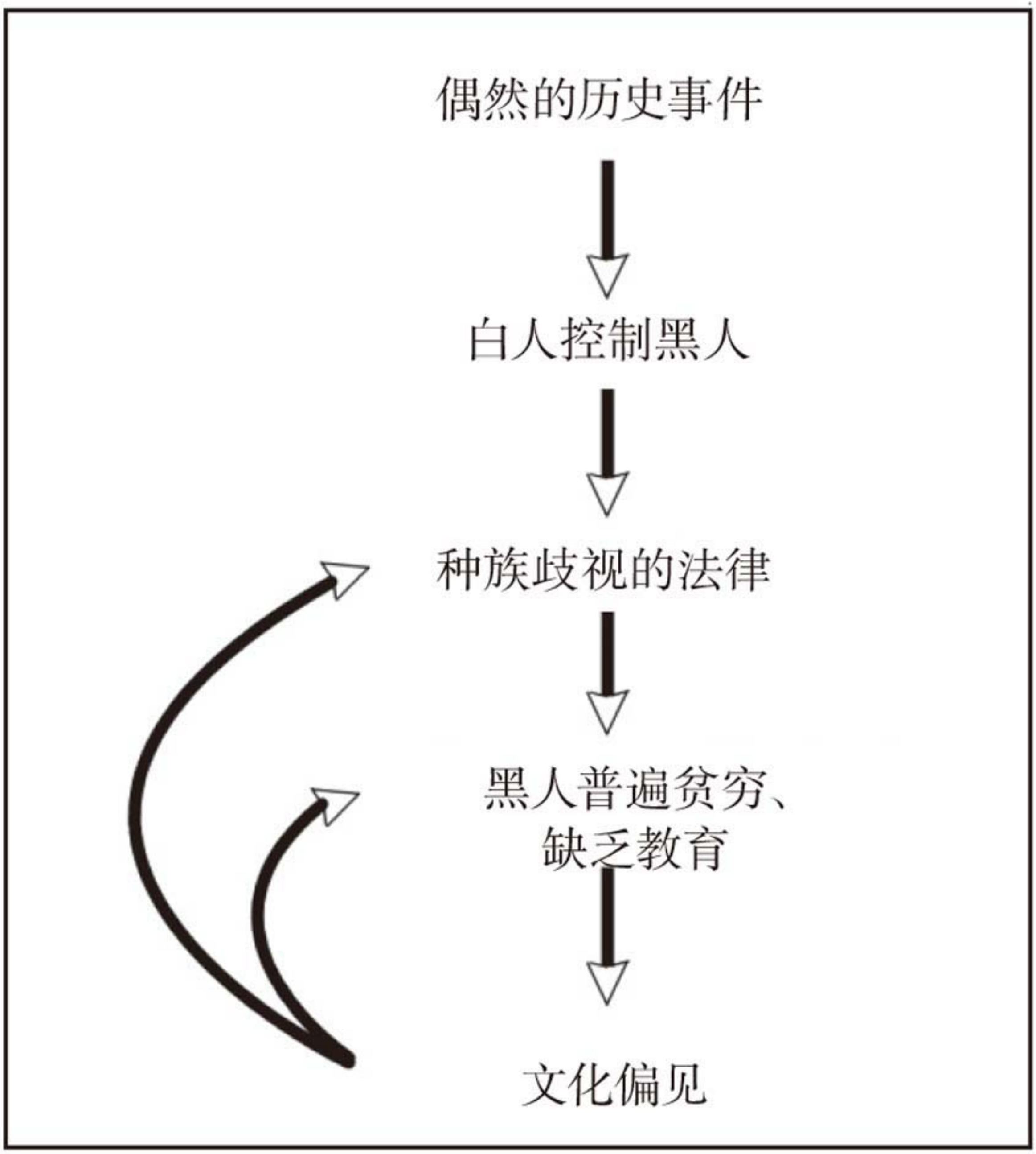
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古代雅典	**现代雅典**	**古代雅典**	**现代雅典**
XX 染色体	XX 染色体	无权投票	有权投票
子宫	子宫	无权担任法官	有权担任法官
卵巢	卵巢	无权任公职	有权任公职
睾酮浓度低	睾固酮浓度低	无权自行决定结婚对象	有权自行决定结婚对象
雌激素浓度高	雌激素浓度高	通常不识字	通常识字
有泌乳能力	有泌乳能力	法律上由父亲或丈夫拥有	法律上独立
完全相同		**非常不同**	

[illegible]X[illegible]Y[illegible]X[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”

[illegible]

[illegible]

[illegible]Cleopatra[illegible]19[illegible]

[illegible]Mameluk[illegible]“[illegible]”[illegible]



15 18



[illegible]16 21[illegible]

[illegible]
1492[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[illegible]“[illegible]”[illegible]

[illegible]19[illegible]

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[illegible] 20 [illegible] 1913 [illegible] 2013 [illegible]

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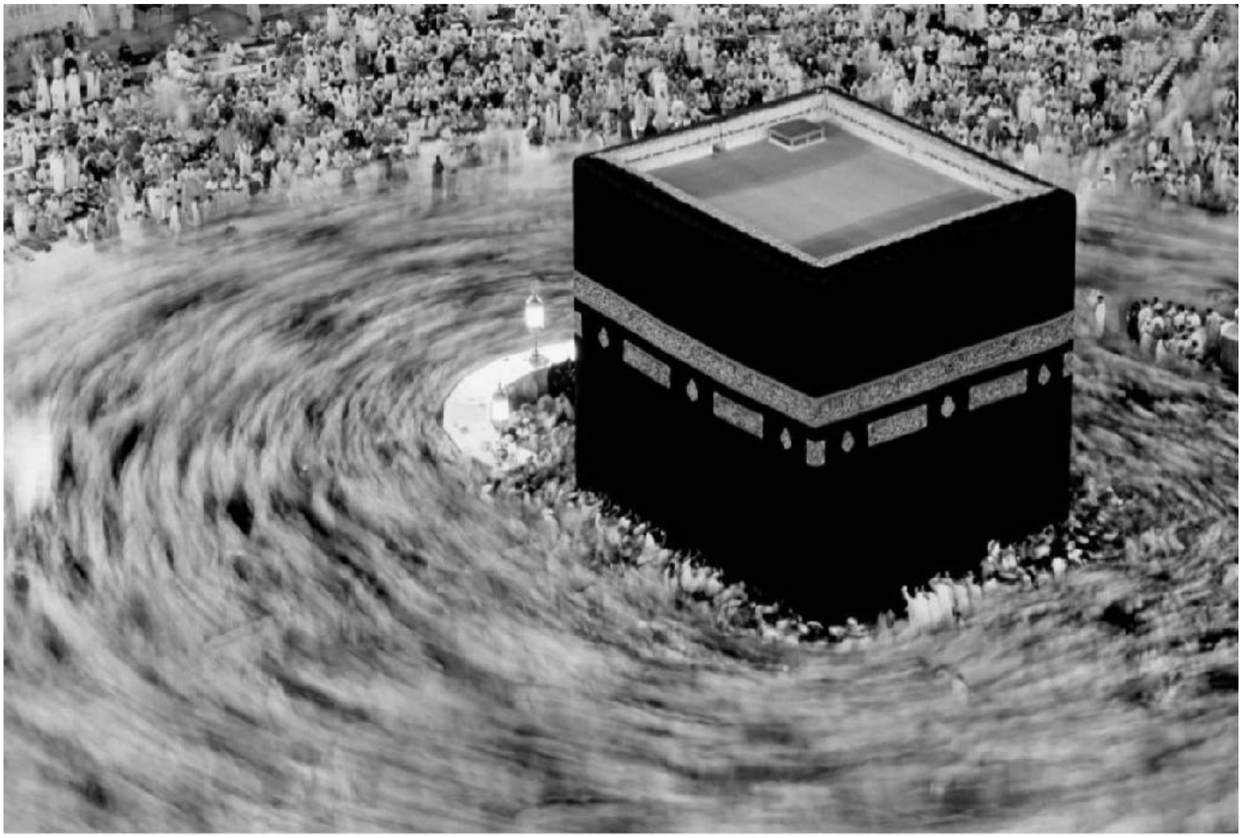
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[illegible]Templar[illegible]Hospitaller[illegible]

[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]1789[illegible]

[illegible]19[illegible]

[illegible]

[illegible]cognitive dissonance[illegible]

[illegible]

[illegible]……

[illegible]

[illegible]

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* * *

[illegible]

[illegible]10 000[illegible]19[illegible]12 000[illegible]

[illegible]4[illegible]3[illegible]

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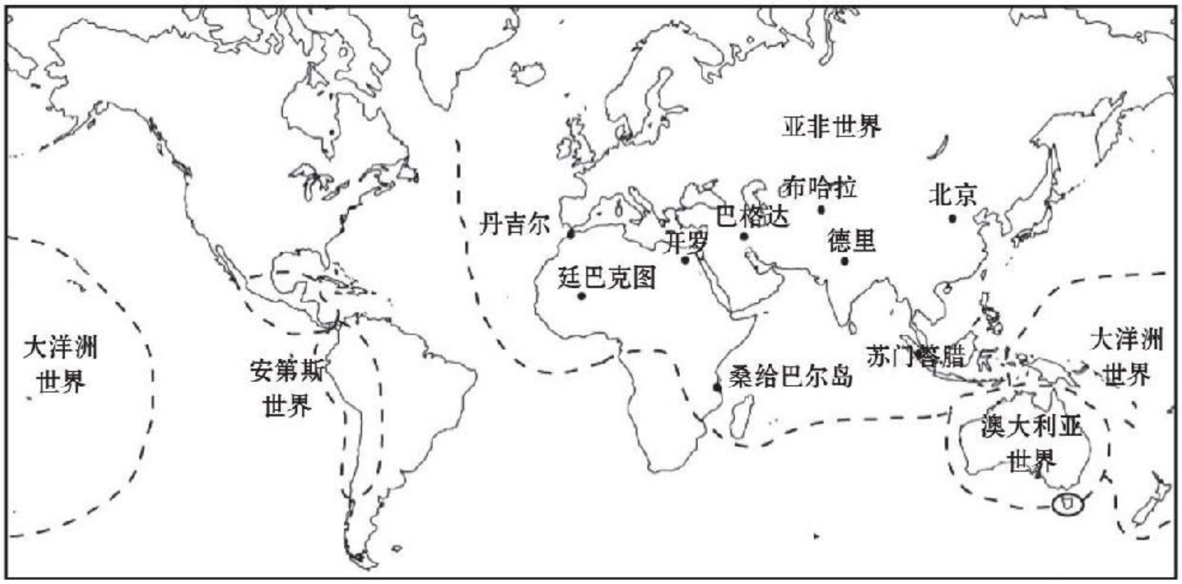
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2. [illegible]

3. [illegible]

4. [illegible]

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[illegible]3 [illegible]1450[illegible]·[illegible]Ibn Battuta[illegible]Tangier[illegible]Timbuktu[illegible]Zanzibar[illegible]

[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]dialogue of the deaf[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]ethnic food[illegible]“[illegible]”[illegible]·[illegible]William Tell[illegible]400[illegible]1492[illegible]

[illegible]17[illegible]18[illegible]1492[illegible]Sioux[illegible]Apache[illegible]19[illegible]“[illegible]”[illegible]

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[illegible]1000[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]3000[illegible]Menes[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[illegible]

[illegible]

1519[illegible]·[illegible]（Hernán Cortés[illegible]“[illegible]” [1]

[illegible]3[illegible]

[illegible]“[illegible]”（millares[illegible]“[illegible]”[illegible]（Melgueil[illegible]（Agde[illegible] [2]

[illegible]（florin[illegible]（ducat[illegible]（gigliato[illegible] [3]

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[illegible][4]

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[illegible]100[illegible]4950[illegible]1000[illegible]

[illegible]499 500[illegible] [5] [illegible]

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[illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]

[illegible]

[illegible]4000[illegible]20[illegible]

[illegible]Auschwitz[illegible]“[illegible]……‘[illegible]’[illegible]12[illegible]300[illegible]30[illegible]80[illegible]200[illegible]400[illegible]” [6]

[illegible]60[illegible]6[illegible] [7] [illegible]50[illegible]

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[illegible]“[illegible]”[illegible]

[illegible]1[illegible]“In God We Trust”[illegible]“[illegible]”[illegible]

[illegible]——[illegible]“[illegible]”[illegible]3000[illegible]

[illegible]“[illegible]”[illegible]sila[illegible]1[illegible]1[illegible]60[illegible]30[illegible]1200~5000[illegible]5000[illegible] [8]

[illegible]2500[illegible]

[illegible]“8.33[illegible]”[illegible]20[illegible]166[illegible]20[illegible]·[illegible]20[illegible]166[illegible]

[illegible]

* * *

[illegible]640[illegible]Lydia[illegible]Alyattes[illegible]

[illegible]

[illegible]“[illegible]”[illegible]“lèse majesté”[illegible]denarius[illegible]

[illegible]

[illegible]

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[illegible]”[illegible]dinar[illegible]

[illegible]“[illegible]”[illegible]

[illegible]16[illegible]“[illegible]”[illegible]

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1. [illegible]

2. [illegible]

[illegible]

[illegible]“[illegible]”[illegible]

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[illegible]134[illegible]Scipio Aemilianus[illegible]

[illegible]·[illegible]Miguel de Cervantes[illegible]“[illegible]”[illegible]1882[illegible]“[illegible]”[illegible]20[illegible]El Jabato[illegible]

[illegible]–[illegible]“[illegible]”[illegible]

[illegible] 21 [illegible]

[illegible]

[illegible]

[illegible] 1 [illegible]

[illegible]

[illegible] Novgorod [illegible]

[illegible] 100 [illegible] 371 [illegible] [1]

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1. [illegible]

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[illegible]Judea[illegible]Torah[illegible]

* * *

[illegible]83[illegible]Caledonian[illegible]Calgacus[illegible]“[illegible]”[illegible]“[illegible]”[illegible] [2]

[illegible]Seneca[illegible]Tacitus[illegible]

[illegible]high art[illegible]4[illegible]7[illegible]1000[illegible]19[illegible]

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[illegible]1700[illegible]Hittite[illegible]

550[illegible]

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[illegible]“[illegible]”[illegible]

[illegible]Virgil[illegible]*Georgics*[illegible]

[illegible]19[illegible]“[illegible]”[illegible]

[illegible]acculturation[illegible]assimilation[illegible]“[illegible]”[illegible]“[illegible]”[illegible]48[illegible]Claudius[illegible]“[illegible]”[illegible]Sabine[illegible][5]

[illegible]2[illegible]Trajan[illegible]Hadrian[illegible]Antoninius Pius[illegible]·[illegible]Marcus Aurelius[illegible]Septimius Severus[illegible]193—211[illegible]Punic[illegible]“[illegible]”[illegible]Elagabalus[illegible]218—222[illegible]Philip[illegible]244—249[illegible]“[illegible]”[illegible]Philip the Arab[illegible]

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[illegible]2000[illegible]206[illegible]220[illegible]

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[illegible]20[illegible]

不同阶段	古罗马帝国	伊斯兰帝国	欧洲帝国主义
一小群人建立一个大帝国	古罗马人建立古罗马帝国	阿拉伯人建立阿拉伯哈里发王朝	欧洲人建立欧洲帝国
形成帝国文化	希腊－古罗马文化	阿拉伯－穆斯林文化	西方文化
帝国文化得到属民认同接纳	属民接受拉丁文、古罗马法、古罗马的政治思想等等	属民接受阿拉伯语、伊斯兰教等等	属民接受英语和法语、社会主义、民族主义、人权等等
属民以共同的帝国价值为名，要求平等的地位	伊利里亚人（Illyrian）、高卢人和迦太基人以古罗马的价值观，要求与古罗马人享有平等地位	埃及人、伊朗人和柏柏尔人以穆斯林的价值观，要求与阿拉伯人享有平等地位	印度人、中国人和非洲人以西方的价值观（如民族主义、社会主义和人权），要求与欧洲人享有平等地位
帝国开国者失去主导地位	古罗马人不再是至高无上的族群，帝国的控制权转移到了由多民族精英组成的群体	阿拉伯人失去了对伊斯兰世界的控制权，形成多民族的穆斯林精英族群	欧洲人失去了对全球的控制权，形成多民族的精英族群
帝国文化继续蓬勃发展、发扬光大	伊利里亚人、高卢人和迦太基人继续发扬他们接受的古罗马文化	埃及人、伊朗人和柏柏尔人继续发扬他们接受的穆斯林文化	印度人、中国人和非洲人继续发扬他们接受的西方文化

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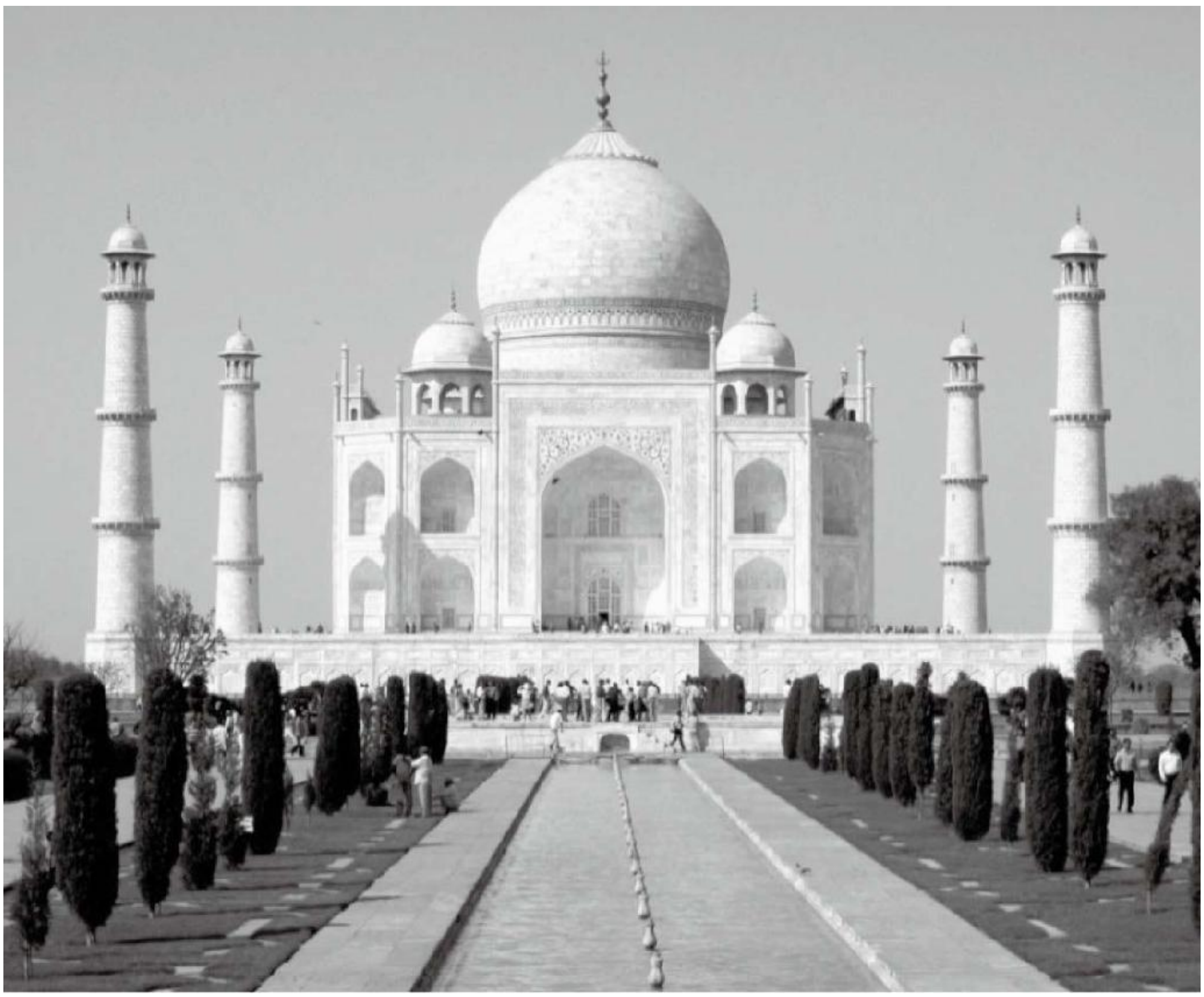
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[illegible]“[illegible]”[illegible]Sultanate of Delhi[illegible]“[illegible]”[illegible]Gupta Empire[illegible]Kushan Empire[illegible]

[illegible]



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1.[illegible]FIFA[illegible]

2.[illegible]

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[illegible]“[illegible]”[illegible]Moira[illegible]Ananke[illegible]“[illegible]”[illegible]Ragnarök[illegible]Yoruba[illegible]Olodumare[illegible]“[illegible]”[illegible]Atman[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

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[illegible]Ganesha[illegible]Lakshmi[illegible]Saraswati[illegible]

[illegible]

[illegible]Osiris[illegible]Jupiter[illegible]Huitzilopochtli[illegible]Cybele[illegible]Isis[illegible]

[illegible]300[illegible]4[illegible]

[illegible]3[illegible] [1] [illegible]1500[illegible]

[illegible]16[illegible]17[illegible]“[illegible]”[illegible]

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1350 Akhenaten Aten

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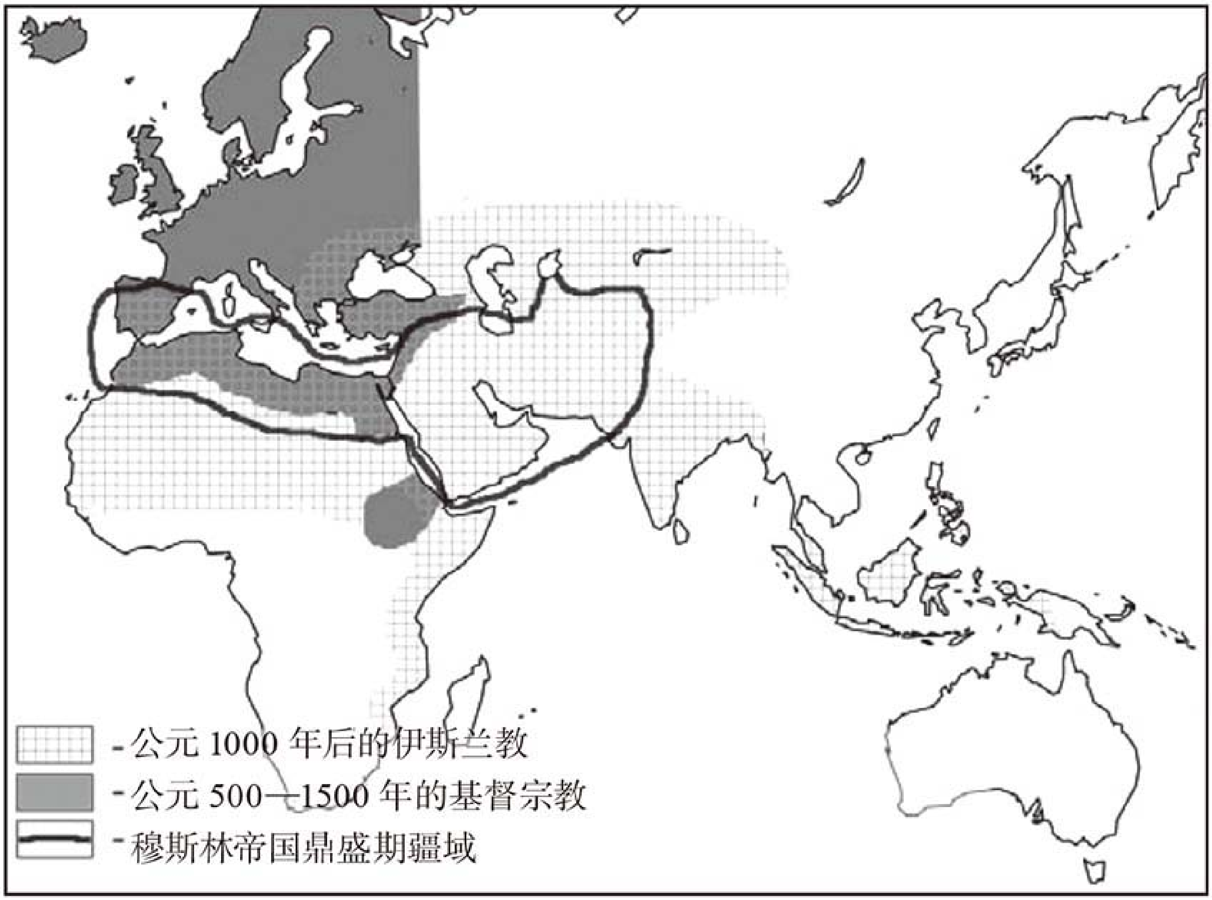
Tarsus “ ”

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公元 1000 年后的伊斯兰教
公元 500—1500 年的基督宗教
穆斯林帝国鼎盛期疆域

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[illegible]1500[illegible]1000[illegible]

Zoroastrianism · Ahura
Mazda · Angra Mainyu
Achaemenid Persian Empire 550—
350 Sassanid Persian Empire 224—
651

3 4

·

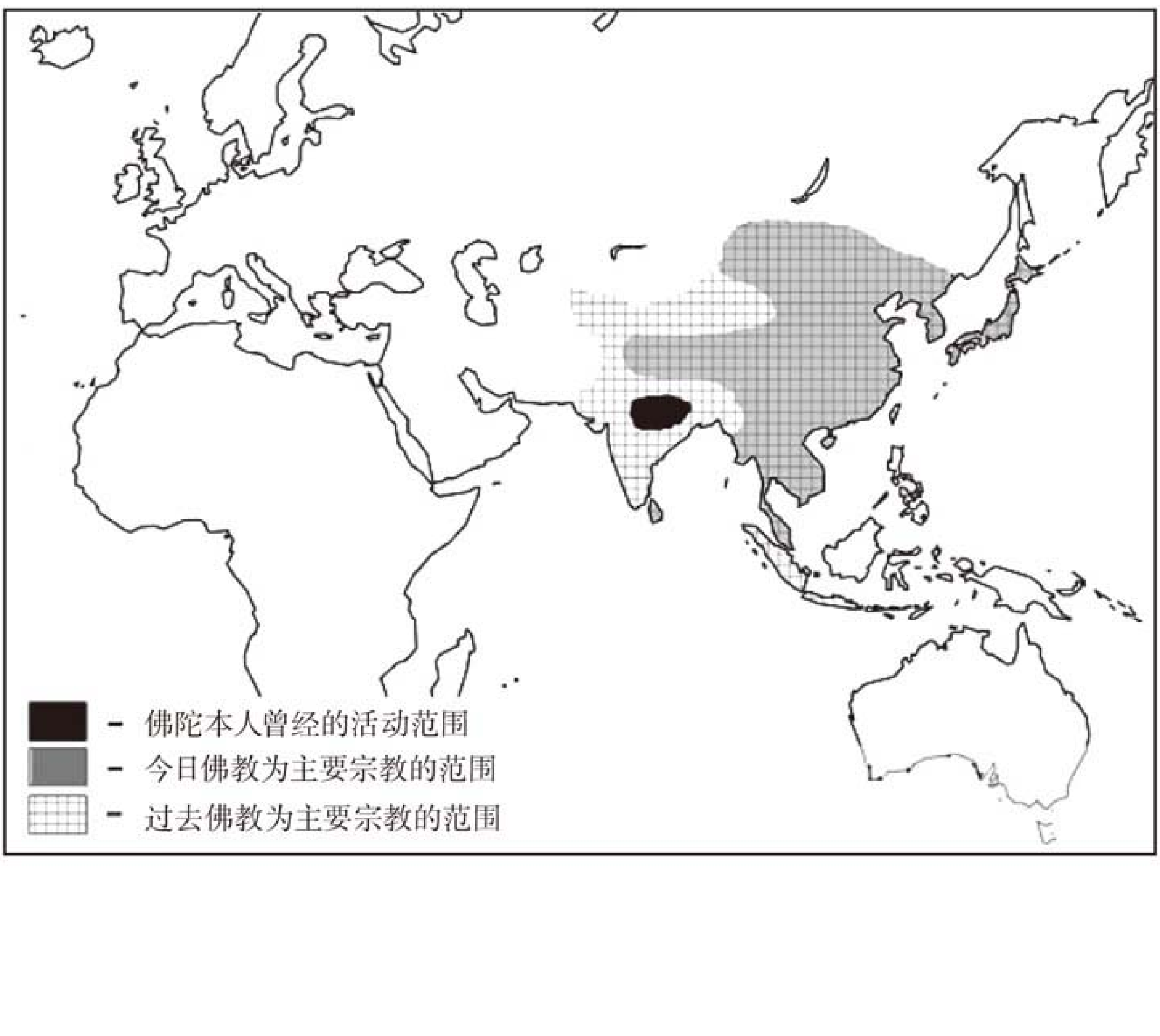
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syncretism

[illegible]1000[illegible]Jainism[illegible]Cynicism[illegible]Epicureanism[illegible]

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[illegible]·[illegible]Siddhartha Gautama[illegible]500[illegible]100[illegible]200[illegible]200[illegible]1000[illegible]



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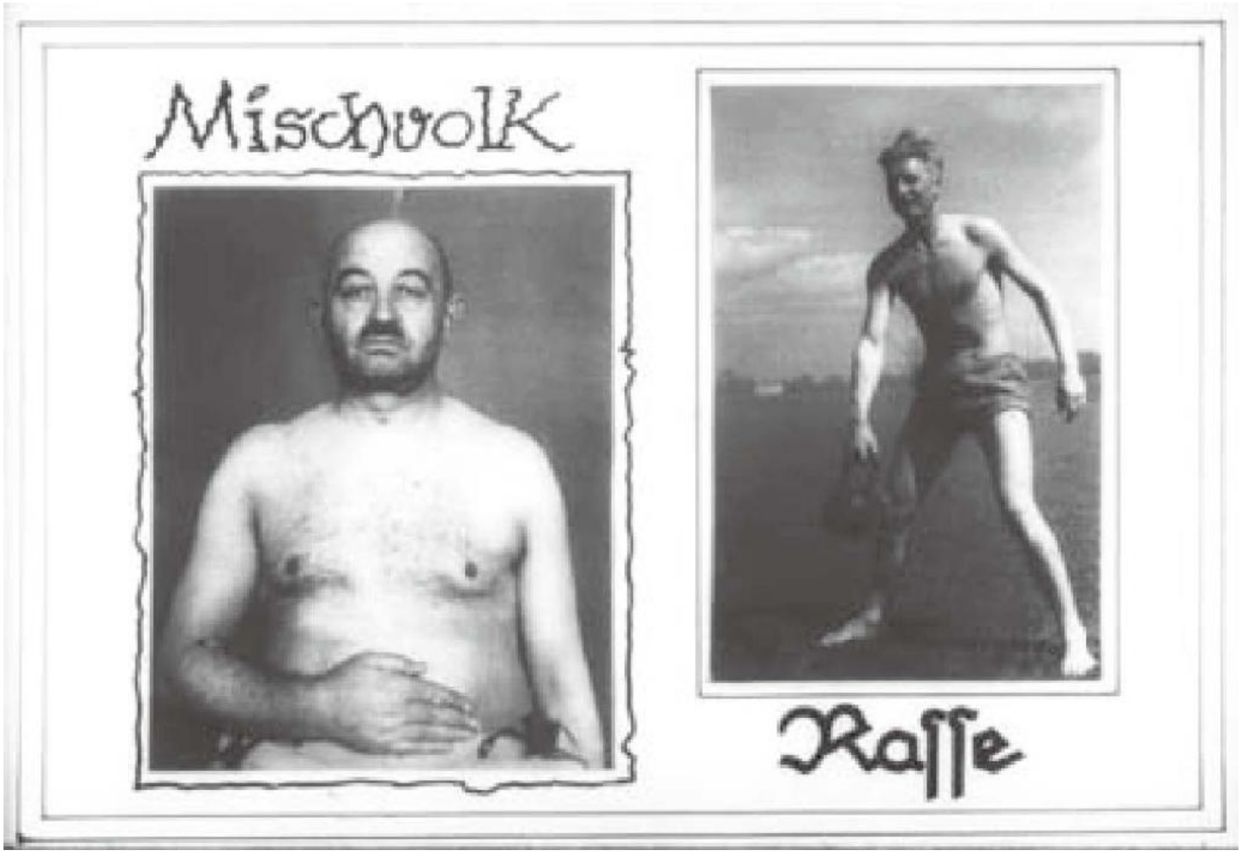
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自由人文主义	社会人文主义	演化人文主义
智人拥有独特且神圣的本质，与其他生物有根本上的不同。所谓的“至善”，讲的是对整体人性有好处。		
“人性”是个人的概念，存在于每个智人心中	“人性”是整体的概念，存在于所有智人整体之中	“人性”可变，可能退化成非人，也可能进化成超人
最重要的使命，是保护每个智人内心的自由	最重要的使命，是保护智人这个物种的平等	最重要的使命，是保护人类，避免退化成非人，并且鼓励进化成超人

[illegible]Aryan[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]1945[illegible]1933[illegible]“[illegible]”[illegible]


Mischvolk
Raſſe

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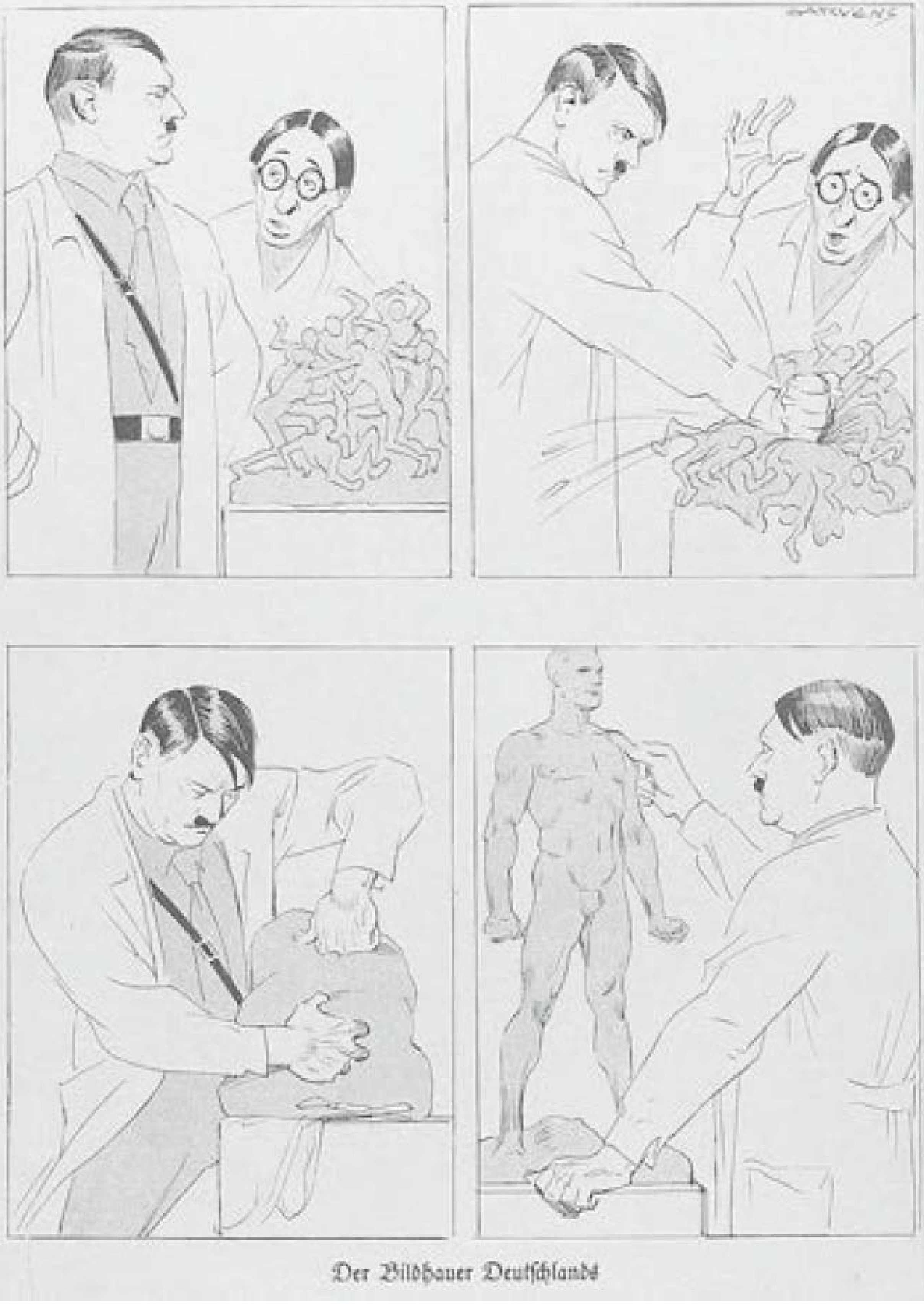
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Der Bildhauer Deutschlands

21 1933 [illegible]

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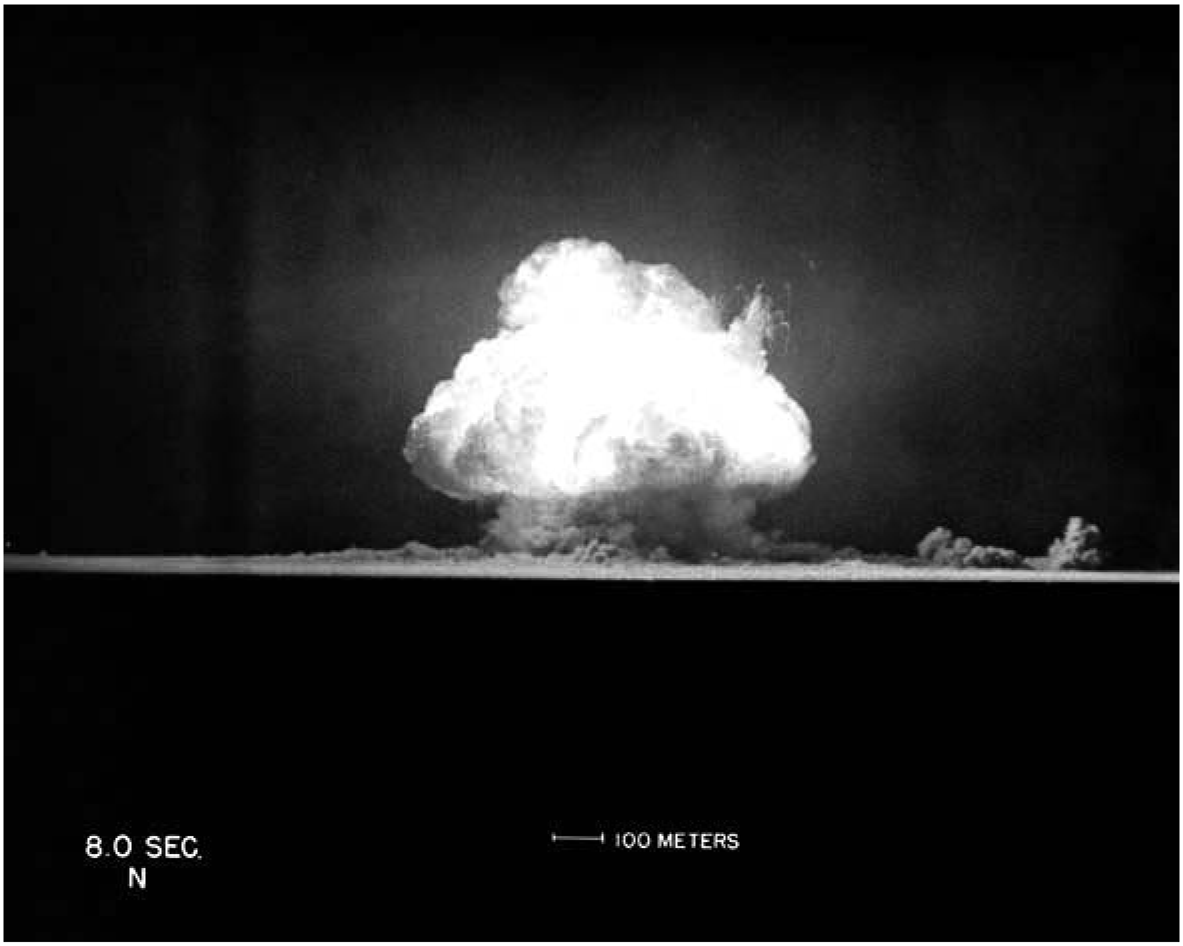
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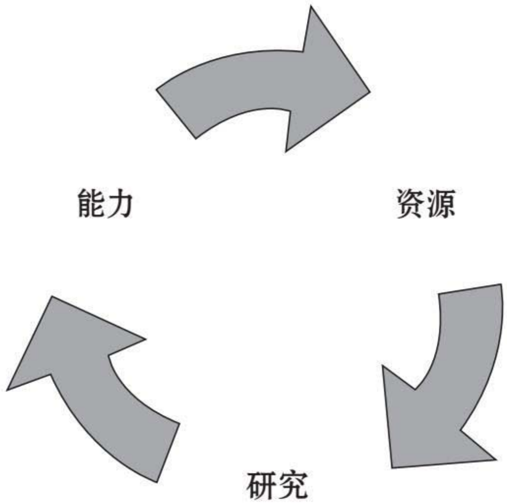
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\end{aligned}
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1744[illegible]·[illegible]Alexander Webster[illegible]·[illegible]Robert Wallace[illegible]

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[5] [illegible]10[illegible]1470[illegible]32[illegible]1570[illegible]73[illegible](Maddison, The World Economy, vol. 1, 97).

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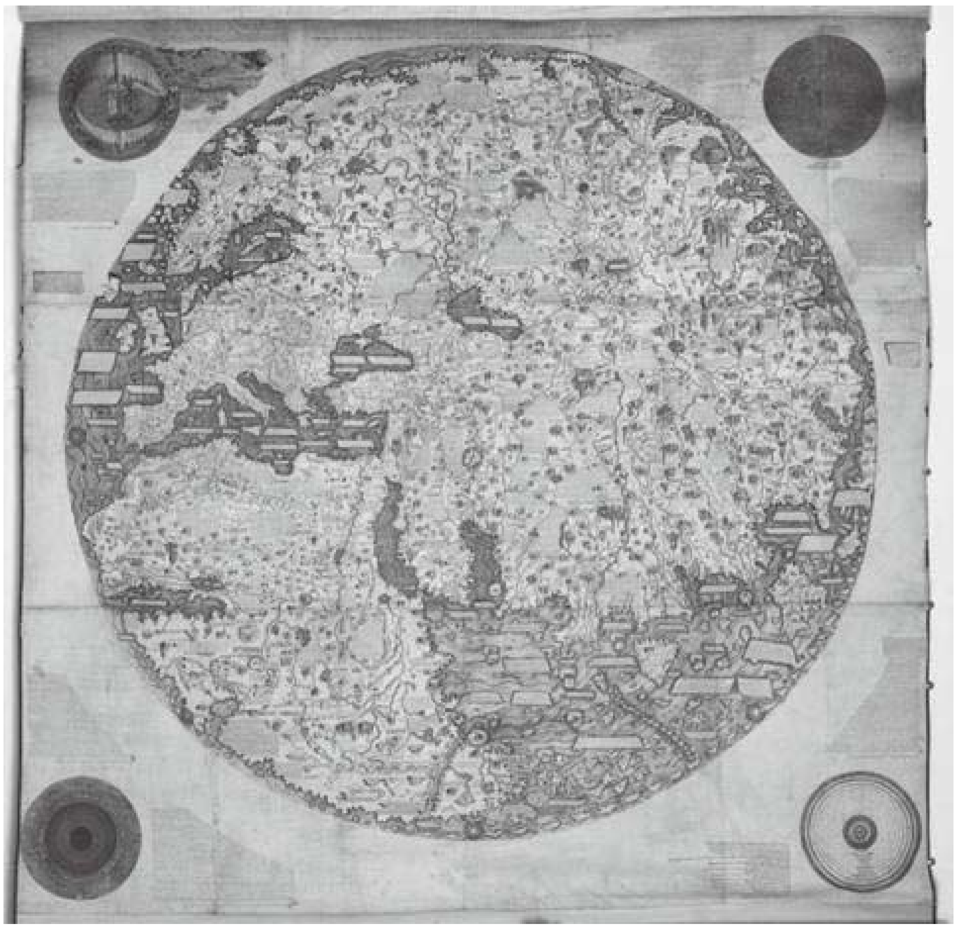
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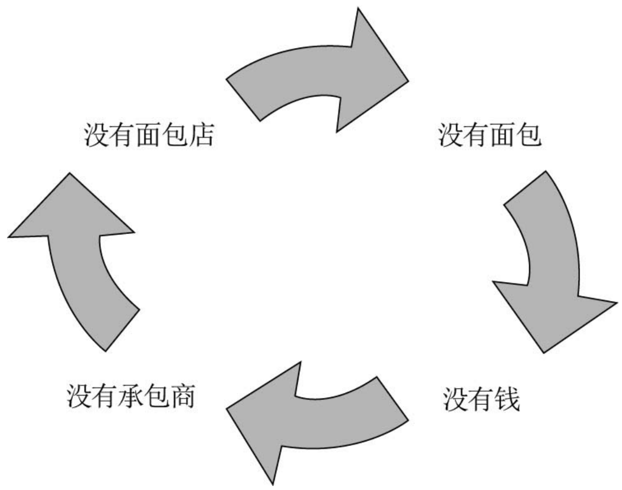
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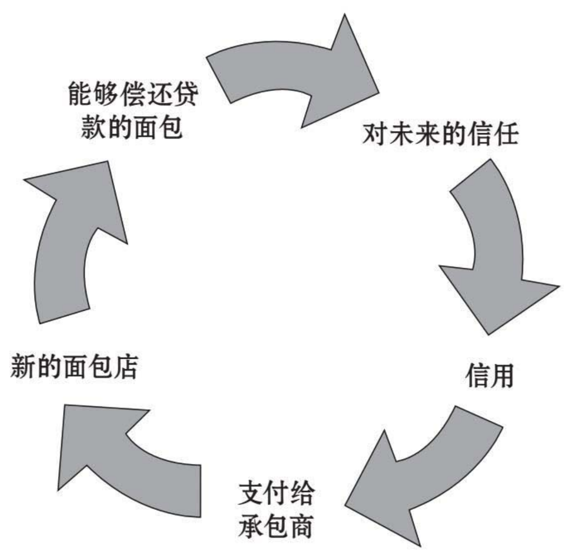
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创业者的困境



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现代经济的奇妙循环



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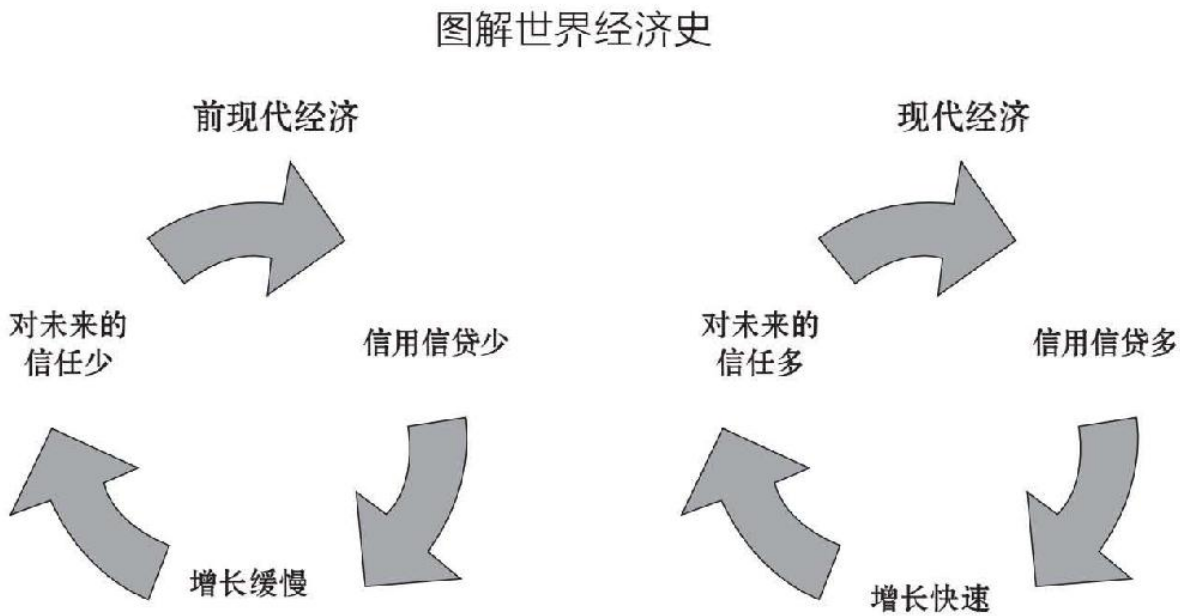
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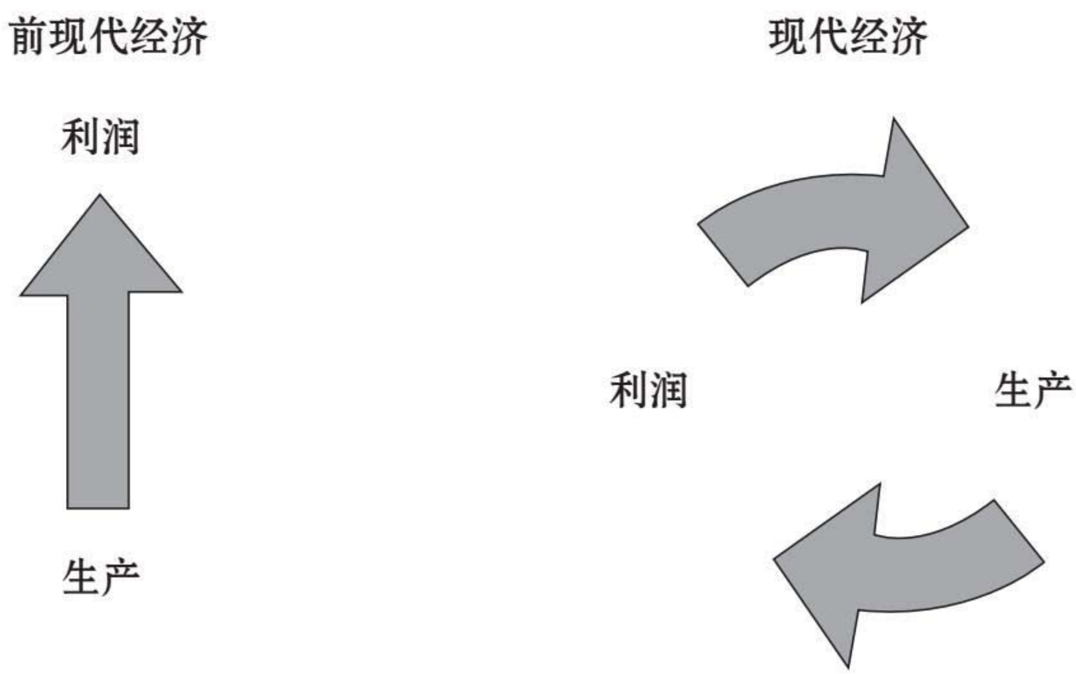
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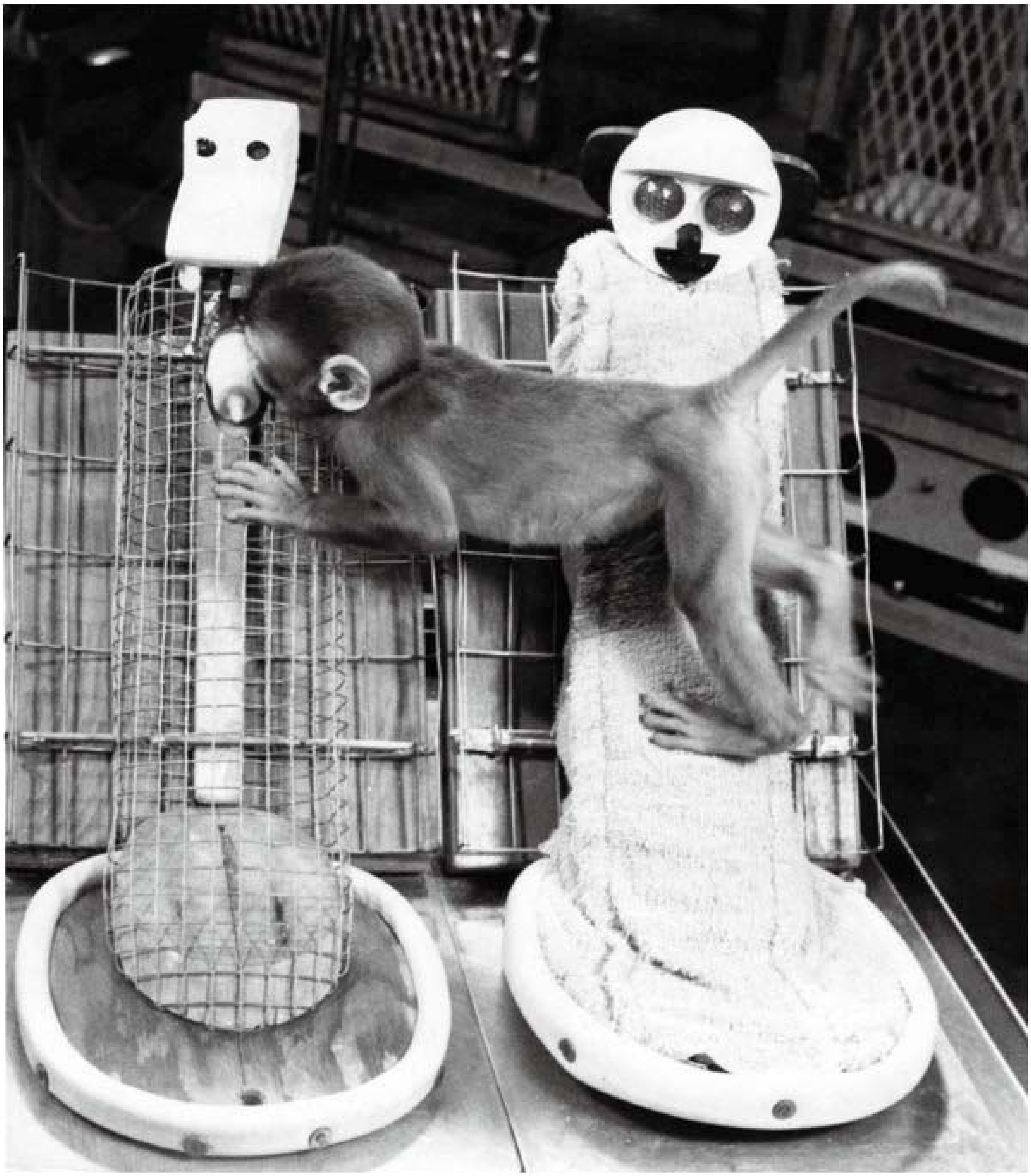
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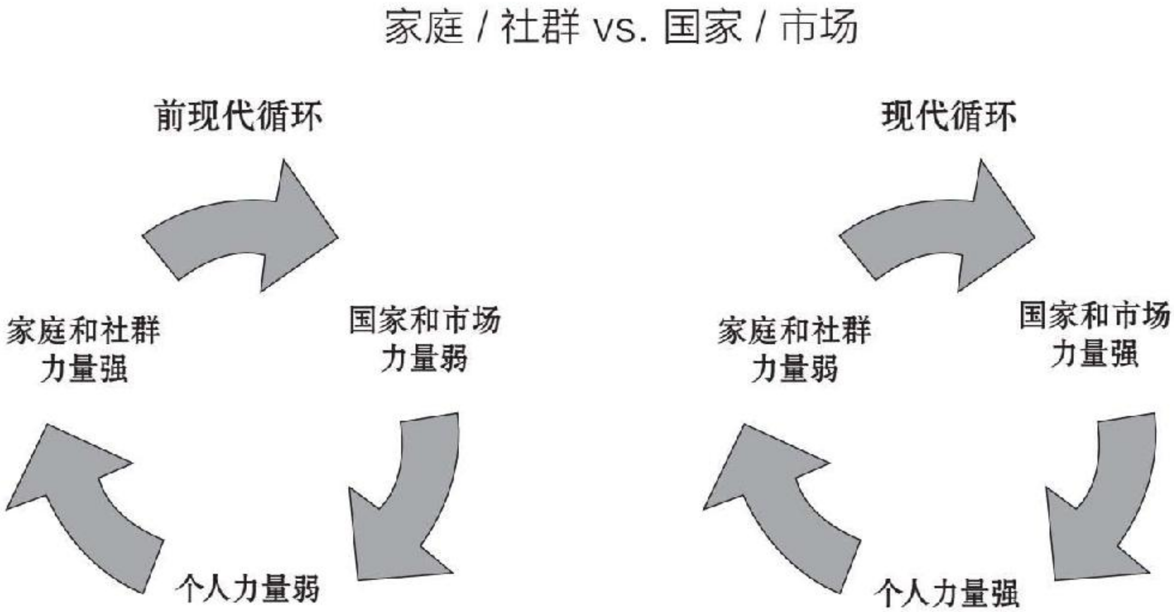
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1750

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家庭 / 社群 vs. 国家 / 市场
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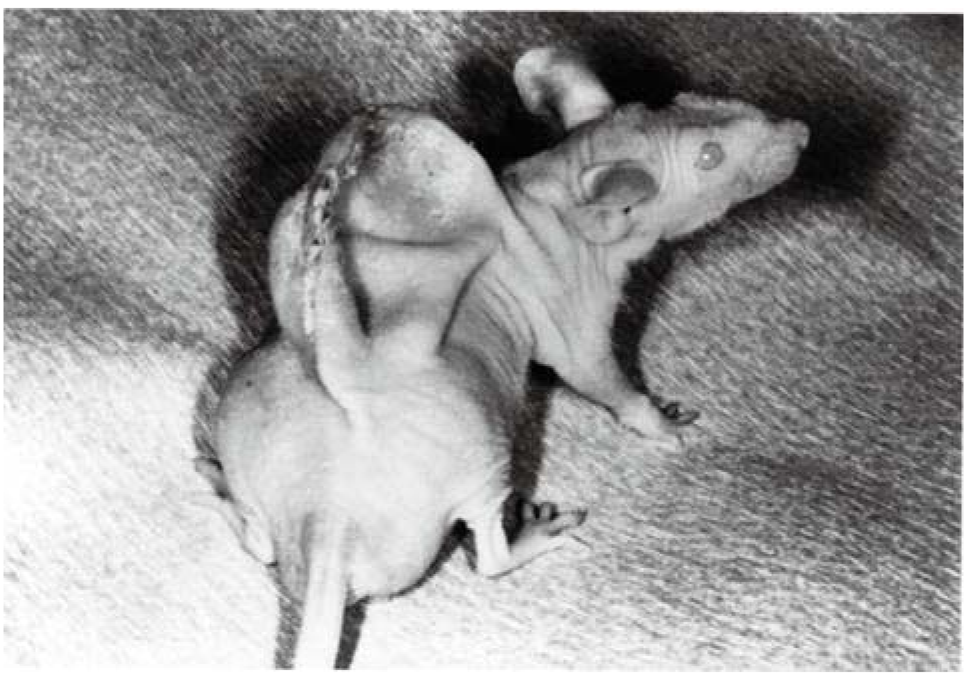
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26 [illegible]1941—1945[illegible]

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34 [illegible]·[illegible]

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